



FARM SUPPLIES



Veterinary

Compendium



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Compendium

VETERINARY COMPENDIUM

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Information contained in this publication is provided as general advice
only. For application to specific circumstances, professional advice
should be sought.

We have taken all reasonable steps to ensure the information in this
handbook is accurate at the time of publication. Any inaccuracies or
errors are inadvertent and regrettable.

Contents

vii Overview

1 Listing of Treatments

- | | | | |
|----|---|----|--|
| 1 | Absorbine Hooflex
Therapeutic Conditioner | 42 | Circumvent® PCV |
| 2 | Absorbine Veterinary Liniment Gel | 43 | Circumvent® PCV M |
| 3 | Absorbine Veterinary Liniment (AVL) | 44 | Citric Acid |
| 4 | Acevet | 45 | Cobalt Iodized Stock Salt |
| 6 | Aminolean® Sterile Injection | 46 | Cod Liver Oil |
| 7 | Amprofur | 47 | Combivit Solution for Injection |
| 8 | Amoxinject LA | 48 | Copper Sulphate |
| 9 | Anti-mating Spray | 49 | Covexin® 8 |
| 9 | Antistress | 50 | Cystorelin® |
| 10 | Apple-Dex (5lb) | 51 | Dexamethasone 2
Injectable Sterile Solution |
| 11 | Asuntol 20% | 52 | DMG (3lb) |
| 14 | Avimox 100 mg/g
water soluble antibiotic powder | 53 | DMSO (16 fl.oz) |
| 16 | Banamine® | 54 | Duo-San (3.8L) |
| 18 | Benvet Suspension | 55 | EarlyStart |
| 21 | Biotin Crumble | 56 | Eazi-Breed™ CIDR® |
| 22 | Black Leg Vaccine ESSENTIAL 2 + P | 58 | Eprinex® Pour-On
for Beef and Dairy Cattle |
| 23 | Blue Lotion | 60 | ERY Shield® |
| 24 | Boosty VO | 61 | Euthanyl Forte |
| 25 | Bovaclox DC
Xtra Intramammary Suspension | 62 | Equi-Block DT Formula |
| 26 | Bovitraz 12.5% | 63 | Eqvalan® Paste 1.87% |
| 28 | Caco Iron Copper
Injectable Sterile Solution | 66 | Ferrum 10% + B12 |
| 29 | Cal-Plus | 67 | Fiebing's Glycerine Saddle Soap |
| 30 | Canine Red Cell | 67 | Fiebing's Saddle Soap |
| 31 | Carlo Screw Worm & Ear Tick Killer
Aerosol (200ml) | 68 | Protector – Fipronil Spray 0.25% |
| 32 | Carlo Wound Powder (0.85g) | 69 | Fish Oil (Lamp Oil) |
| 33 | Carlovite-21 (3.785 litres) | 70 | Formula 1 Plus |
| 34 | Celmanax Liquid | 71 | Fortified Wheat Germ Oil Blend |
| 35 | Certifect for Dogs | 72 | Frontline® Plus for Cats & Kittens |
| 37 | Chanazine 2%
Solution for Injection | 74 | Frontline® Plus for Dogs & Puppies |
| 39 | Checkerphene (3.8L) | 76 | Frontline® Spray Treatment for
Dogs & Cats |
| 40 | Chick 'Boost | 79 | Gaseous Fluid |
| 41 | Ciplox Eye Ointment | 80 | Gentamast |
| | | 81 | Gentamicin 5% injection |
| | | 82 | Ginger in Magnesium Trisilicate
Mixture |
| | | 83 | Grow Colt |

Contents

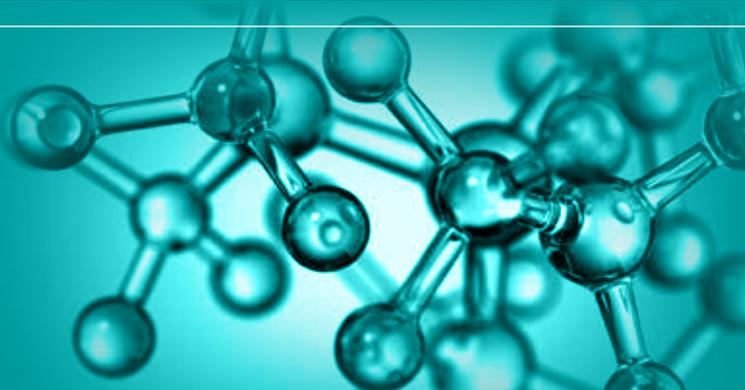
- 84 Heartgard® Plus Chewable
- 86 Hemo-15, Sterile Injection
- 87 Hemoplex Recovery
- 88 Hexasol LA
Solution for Injection for Cattle
- 89 Icetight 24 hour Poultice (11.34kg)
- 90 Imizol®
- 91 Immitticide
- 93 Intravit 12 Solution for Injection
0.05% w/v
- 94 Iodine Wound Spray (Topical Antiseptic)
- 95 Iodized Stock Salt
- 96 Ironol 100 Sterile Injectable
- 97 Ivocip Drench 0.08%
- 98 Ivocip (Ivermectin Injection 1% w/v)
- 100 Ivomec® 1% injection
for cattle and swine
- 103 Ivomec® Plus
- 105 J-Fluid Disinfectant
- 107 Jeyes Fluid
- 109 Joint Combo (3.75lb)
- 110 Kopertox (16 oz)
- 111 Lactaclox Intramammary Infusion
- 112 Levox Wormer
- 113 Lidocaine HCl 2% and
Epinephrine Injection USP
- 115 Lutalyse® Injection
- 118 M+PAC®
(Mycoplasma Hypopneumoniae Bacterin)
- 119 Magestic® 7 with SPUR®
- 120 Mare Plus
- 122 Mega-Blud
Flavoured Vitamin-Mineral Supplement
for Horses
- 123 Menorox SP 10%
- 124 Menorox LC-20%
- 125 Metaphosol
- 126 Mineral Oil (3.8L)
- 128 Minerlytes Plus
- 129 Minerlytes Plus Biotin
- 130 Neo-Chlor Plus®
Water Soluble Antibiotics for
Chickens, Turkeys, Swine
and Calves
- 132 Neo-Oxytetracycline
- 133 NexGard® Chewable Tablets
Soft Beef-Flavoured
Chewables
- 135 Nobloat
- 136 Norodine®24 Solution for
Injection
- 138 Norotril Max 100 mg/ml
Solution for Injection
for Cattle
- 139 Otivet Ointment
- 140 Oxytocin Injection
- 142 Oxyvet®100 LP
Sterile Injectable Solution
- 143 Oxyvet®200 LA
Sterile Injectable Solution
- 145 Panacur Suspension 10%
Horse and cattle dewormer
- 147 Panacur Equine Dewormer
25 gram paste 10%
- 149 Parazine Soluble Wormer
for livestock and poultry
- 151 Performance-Mx (1 gallon)
- 152 PG. 600
- 154 Carlo Pig Wormer Soluble
- 155 Piggyboost
- 156 Poly-Wormerzine 53%
- 157 Prazivet Plus
- 158 Progesterone 5%
Sterile Injection
- 159 Puppy Boost
- 160 Pure MSM (1lb)
- 161 Pure Neatsfoot Oil (1 Pint)
- 162 Raw Linseed Oil (Flaxseed Oil)
(750 ml)
- 163 RECOMBITEK®C6
- 164 Red Cell (1 gallon)
- 165 Redglo

- 166 Safersan Wormer
- 167 Silvertone Flea Powder (220g)
- 168 Silvertone Shampoo (230 ml)
- 169 Smart Line Animal Wound Powder (3 fl.oz)
- 170 Smart line Pet Products
Flea & Tick Dog Shampoo
- 171 Smart line Pet Products
Terr-ific Relief Shampoo
- 172 Sofradex Ear/Eye Drops
- 173 Solvitec Spectrum (1000 ml)
- 174 Spectabilin
- 175 Sulfamid (16 FL OZ (454ml))
- 177 Super 14
- 178 Super Booster
Water Soluble Antibiotic and
Vitamin Premix
- 180 Super Hiprovit with Celmanax
Water soluble vitamins and electrolytes
- 181 Source (5lb)
- 182 SCARLEX® Scarlet Oil Spray
- 183 ToDAY®
- 185 ToMORROW®
- 187 TRACE Mineralized Stock Salt
- 188 Triatix
- 189 Trisulvitrim
- 190 Troscan 100
- 191 Troscan 500
- 192 Ultra Fire (60oz)
- 193 Viodine Medicated Shampoo
- 194 Virkon S Disinfectant
Cleaner P.W.S Virucide
- 197 Vitamin AD3E forte
- 198 Vitamin B12 5000 µg/mL
- 199 Vitamin E & Selenium
- 200 Vitamin E and Selenium (2.5lb)
- 201 Vitamin K1 Injection
- 202 Weight Builder (8 lbs)
- 203 Wonder Blue Shampoo
- 204 Wonder Dust (4oz)

- 205 Wormex (Worm syrup for dogs)
- 206 Wound Oil (200ml)
- 207 Zerofen (4%) Powder 1 kg
- 208 Zimecterin® Paste 1.87%

210 Listing of Categories

- 210 Anaesthetics, Preatnesthetics and Sedatives
- 212 Antibiotics
- 216 Antifungals
- 218 Anthelmintics (Dewormers)
- 221 Anti-Inflammatory Drugs
- 223 Disinfectants
- 224 Ectoparasiticides
- 227 Gastrointestinal Agents
- 229 Hormonal Agents
- 231 Leather Cleaning Agents
- 232 Topical Antiseptics and Wound Care
- 233 Vaccines
- 234 Vitamins, Minerals and Supplements
- 239 Index



Overview

What is the Hi-Pro Farm Supplies Veterinary Compendium?

Hi-Pro Farm Supplies Veterinary Compendium is a complete detailed composition providing key, concise information of all the veterinary products available at Hi-Pro Farm Supplies. This is a comprehensive first edition comprised of the Products/Trade Names, Active Ingredients, Uses, Directions for Use, Withdrawal Time, Pharmaceutical Precautions of all veterinary Products available.

This Compendium includes:

- Over 200 Products, with datasheets covering all species of animals.
- All drugs are categorized based on their uses, and respective page numbers.
- A Glossary, for ease of identification of pages.
- All aspects of health and production of the major economically important livestock and poultry species products have been featured.

Who uses the Veterinary Compendium?

Veterinarians, Veterinary Technicians, Farmers, Farm Store Owners, Students, Researchers, Extension Officers, Producers, Breeders of livestock and poultry, Medical Technologists, Farm managers, Marketers and Distributors, Industry Managers(Hatchery Managers), Technical Sales Personnel, Nutritionists, Lecturers, and Government Departments[Ministry Of Agriculture and Ministry Of Health].

The Pharmaceutical drugs enclosed in this compendium include Prescription and non-Prescription drugs. This compendium is designed to inform readers of the products available at Hi-Pro Farm Supplies. It is not to be used for the diagnosis and treatment of animals. For proper diagnosis and treatment of animals, **always consult your local Veterinarian.**

The Veterinarians available at Hi-Pro Farm are:

Dr. Trevor Dewdney – In House Veterinarian available at Hi-Pro Farm Supplies from Monday to Friday 8:30 am – 4:00 Pm.

Dr. Michael Motta – Senior Veterinarian

Dr. Lenworth Mc Calla- Veterinarian

Visit the link below for a List of all Veterinarians Licensed to practice in Jamaica in accordance with Provision of the Veterinary Act 1975.

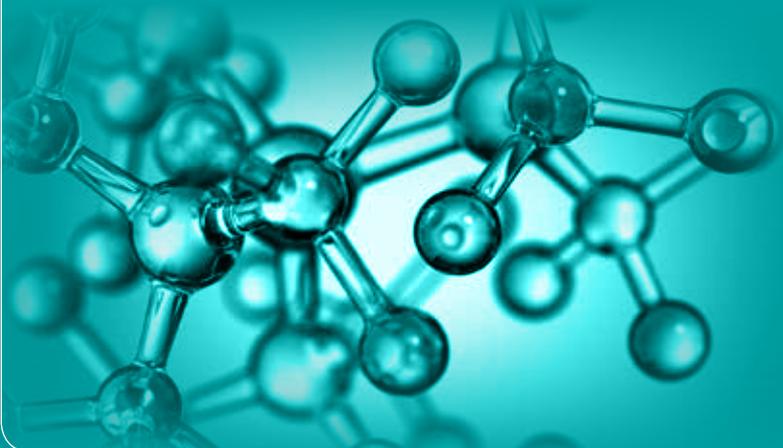
<http://www.jvma.org/generalinformation/registeredveterinarians.html>

In case of accidental poisoning you can contact our local CARPIN (Caribbean Poison Information Network). CARPIN is a multi-agency institution that aims to reduce poisonings in Jamaica and the wider Caribbean. The hub is linked to other sentinel sites across Jamaica and the Caribbean. The services offered includes Poison Prevention Campaign, Poison Control Information and advice collection of data related to poisons.

Carpin Contact Information:

1-888-POISONS, 1-888-764-7667 (toll free) and
927-1680 extension 2300

E-mail: carpin@utech.edu.jm





Absorbine Hooflex

Therapeutic Conditioner

Active Ingredients – Chloroxylenol

Uses

Treats brittle Hooves
 Original Breathable Moisture Balance
 Antibacterial and antifungal to help prevent infections
 Easy to apply, Year Round
 Helps Protect Hoof Wall sole and frog

It has been used to help restore and support flexible, healthy hooves. Hooflex Liquid conditioner works in wet or dry conditions because it maintains a breathable moisture balance.

Directions for use:

To maintain healthy hooves: clean hoof then apply small amount with brush to hoof wall and coronet. Repeat weekly for added protection, apply to hoof sole and frog to restore and protect breathable moisture balance.

For cracked or chipped hooves: Apply two or more times a week to hoof wall and sole until crack or chip grows out. Check for infections that may prevent the crack from growing out. If severe bacteria or fungi are present, consult your veterinarian.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Keep out of reach of children
 For External Use Only
 Avoid getting into eyes or mucous membrane.



Absorbine Veterinary Liniment Gel

Absorbine® Veterinary Liniment Gel helps your horse to heal itself. Liniments are mild stimulants to the circulatory system that hasten and assist nature in returning a fatigued muscle, joint, or tendon to normal. Absorbine Liniment gel combines the same time-honoured blend of Calendula, Echinacea, and wormwood herbs as our trusted Absorbine® Veterinary Liniment.

Active Ingredients – Natural menthol. A soothing liniment gel for temporary soreness

Uses – Assist in restoring fatigued muscles, joints, and tendons to normal. A targeted, warm, soothing treatment for temporary muscular soreness caused by overexertion, minor injuries, or arthritis pain, our liniment gel can also be used preventatively to loosen stiff joints, muscles, and tendons before work.

Directions for use:

Legs: to relieve pain and reduce swelling of the legs, rub in thoroughly. Apply three times daily. To speed effectiveness, apply gel with the lay of the hair and lightly wrap. Also effective for the pre-workout rubs and post-workout “set up” wraps.

Back, shoulder and flank: For relief of soreness and stiffness, rub in thoroughly. Apply three times daily. Do not apply gel under the saddle area if you’re going to ride the horse after treatment.

Shipping – During transportation many horses injure their lower legs in the trailer, or they “stock up” from prolonged standing. Shipping racks are recommended to prevent injuries and Absorbine gel is safe and effective under porous wraps; helps reducing swelling.

Arthritis – Common condition in older horses, Absorbine gel helps to loosen stiff, arthritic joints and reduce the swelling.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Keep out of reach of children

Use only as directed

For external use only

Avoid contact with eyes and mucous membrane. For Animal Use only.



Absorbine Veterinary Liniment (AVL)

Active Ingredients – Menthol, chloroxylenol, iodine.

Uses – Provides herbal healing and fast relief from sore aching muscles, joint and arthritis pain.

Directions for use:

Legs and joints: for fast relief of temporary muscular and joint soreness, swelling and stiffness, apply to sore areas. May be applied two or more times a day.

Arthritis: Deep penetrating heat soothes the pain and swelling of tissues due to arthritis. Rub AVL on stiff and sore joints before and after turn out to increase pain relief.

Muscle soreness: To relieve pain and stiffness, apply AVL to desired areas and cover with blanket. May need to repeat two or more times a day as needed.

Body wash: AVL cooling body wash refreshes a tired horse. AVL astringents wash away sweat and dirt. AVL's antimicrobial formula disinfects. Herbal oils shine the coat. Mix 4oz of AVL and 8oz vinegar with 24oz. of water.

Warm up: A rub down of AVL increases circulation to muscles and helps prevent injuries. Clinically proven to enhance performance.

Post work out: Applying AVL helps speed muscle recovery by increasing blood flow to the affected area, helping to reduce soreness, stiffness, swelling and pain. AVL's fast acting formula is proven to increase blood flow and help your horse heal himself rapidly.

Setting up: Professional trainers recommend applying AVL after a workout to all four legs and wrapping lightly.

Hoof Disinfectant: AVL's formula penetrates into the porous hoof sole and frog to disinfect. Apply once a week to help prevent bacterial and fungal infections. Use AVL daily to treat hoof conditions such as abscesses, cracks, delamination, thrush and white line disease.

Skin infections: AVL kills germs on contact and stops the itch in seconds. Use AVL to clean and treat bacterial skin infections like rain rot, scratches, summer itch and tail itch. Apply to infected area three times a week.

Withdrawal Period – No withdrawal period observed.



Acevet

Acepromazine Injection (acepromazine maleate, USP), a potent neuroleptic agent with a low order of toxicity, is of particular value in the tranquilization of dogs, cats and horses. Its rapid action and lack of hypnotic effect are added advantages. According to Baker the scope of possible applications for this compound in veterinary practice is only limited by the imagination of the practitioner.

Acepromazine Injection has a depressant effect on the central nervous system and, therefore, causes sedation, muscular relaxation and a reduction in spontaneous activity. It acts rapidly, exerting a prompt and pronounced calming effect.

Active Ingredients – Acepromazine maleate 10 mg, sodium citrate 0.36%, citric acid 0.075%, benzyl alcohol 1% and water for injection.

Uses: Dogs & Cats – Acepromazine Injection can be used as an aid in controlling intractable animals during examination, treatment, grooming, x-ray and minor surgical procedures; to alleviate itching as a result of skin irritation; as an antiemetic to control vomiting associated with motion sickness. Acepromazine Injection is particularly useful as a preanesthetic agent (1) to enhance and prolong the effects of barbiturates, thus reducing the requirements for general anesthesia; (2) as an adjunct to surgery under local anesthesia.

Horses – Acepromazine Injection can be used as an aid in controlling fractious animals during examination, treatment, loading and transportation. Particularly useful when used in conjunction with local anesthesia for firing, castration, neurectomy, removal of skin tumors, ocular surgery and applying casts.

Directions for use – The dosage should be individualized, depending upon the degree of tranquilization required. As a general rule, the dosage requirement in mg/lb. of body weight decreases as the weight of the animal increases. Acepromazine Injection may be given intravenously, intramuscularly or subcutaneously. The following schedule may be used as a guide to IV, IM or SC injections:

Dogs: 0.25-0.5 mg/lb. of body weight

Cats: 0.5-1 mg/lb. of body weight

Horses: 2-4 mg/100 lb of body weight

IV doses should be administered slowly, and a period of at least 15 minutes should be allowed for the drug to take full effect.

Withdrawal Period – Treated animals must not be slaughtered for food for at least 7 days after the latest treatment with this drug. Milk taken from treated animals during treatment and within 48 hours after the latest treatment of this drug should not be used as food. This drug is not to be used in horses that are to be slaughtered for food.

Pharmaceutical Precaution:

Store at 20° to 25°C (68° to 77°F), excursions permitted between 15° and 30°C (between 59° and 86°F).





Aminolean® Sterile Injection

Active Ingredients – Aminolean is a clear, yellow aqueous liquid containing Dextrose 5 g, calcium chloride dihydrate 15 mg, potassium chloride 20 mg, magnesium sulfate trihydrate 20 mg, sodium acetate trihydrate 250 mg, thiamine HCl 10 mg, nicotinamide 150 mg, pyridoxine HCl 10 mg, vitamin B12 5 mcg, riboflavin 5-phosphate sodium 4 mg, d-panthenol 5 mg, casein hydrolyste.

Uses – Aminolean is a clear, yellow aqueous liquid. It is used as an aid in the supportive treatment of debilitated animals and for supportive treatment of severe diarrhea in cattle, swine and horses. Aminolean aids in counteracting the protein, electrolyte and vitamin loss associated with these conditions.

Directions for use:

Warm to body temperature prior to administration. Administer slowly by intravenous or intraperitoneal injection in cattle and swine. Administer by intravenous injection ONLY in horses.

Mature Cattle, Horses & Swine: 2 mL/kg of body weight
Calves, Foals & Piglets: 5 mL/kg of body weight

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store below 25°C





Amoxinject LA

Active Ingredients – Amoxicillin trihydrate (172.2 mg)
Amoxicillin Aluminium Stearate (150.0 mg)

Uses – Provides a prolonged bactericidal action against a broad spectrum of gram positive and gram negative bacteria including among others E.Coli, Klebsiella pneumonia, bordetella bronchiseptica, haempophilus spp., Pasteurella ssp., proteous mirabilis, salmonella spp, streptococcus spp and staphylococcus spp.

Used in treatment of infections of the respiratory tract, gastrointestinal tract, urogenital tract, skin and wound infections. Prophylactic treatment in viral infections and post-operative..

Directions for use:

By intramuscular injection.

Cattle, Horses: 4-5 ml/ 100 kg b.w daily

Calves, Foals: 2-3 ml/50 kg b.w daily

Sheep, goat: 1 ml/20 kg b.w daily

Pig: 3 ml/ 50 kg b.w daily

Dog, cat, piglet: 0.1 ml/ 2kg b.w daily

Duration of treatment: 3 days

Withdrawal Period – Following intramuscular injections: edible tissues: 28 days; milk: 3 days.

Following I.M injection: edible tissues: 5 days; milk: 1 day.

Contraindications – Do not use in animals hypersensitive to penicillins. Do not use in small rodents.

Pharmaceutical Precaution:

Store at a cool place (15-25°C).

Keep out of reach of children.



Anti-mating Spray

Uses – Protects female dogs during mating season. Specially formulated to mask odours that will attract male dogs to your pet.

Directions for use:

Avoiding eyes, carefully spray your female dog around the hind quarter area. Do not spray directly on female organs, use newspaper or similar shield to protect the female organs when spraying. Use daily until female is no longer in heat. After use, shampoo your pet thoroughly to remove the anti-mating scent.



Antistress

Uses – For improvement in appetite and the reduction of stress brought about by illness, high temperatures, brooding, weaning, vaccination and scours.

Ingredients:

Potassium, riboflavin, sodium, menadione, pantothenic acid, niacin, vitamin A, D, B12, E, ascorbic acid and folic acid.

Directions for use:

Dissolve half of a pack (50 grams) in 200 litres of water (50 gallons) of drinking water, or one pack in 400 litres (100 gallons) of water.

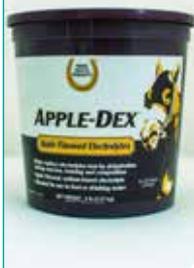
For best results, prepare a fresh stock solution every 8-12 hours. Keep remaining product dry, sealed and in a cool place.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Keep in cool dry place

Keep away from children



Apple-Dex (51b)

For All Classes of Horses, APPLE-DEX™ product supplements horses with additional electrolyte salts that may be lost by dehydration.

Active Ingredients – Salt, potassium chloride, magnesium sulfate, calcium lactate, potassium sulfate, artificial apple flavor, artificial coloring.

Guaranteed Analysis

Calcium (min)	0.25%
Calcium (max)	0.75%
Salt (min)	68.00%
Salt (max)	73.00%
Potassium (min)	11.00%
Magnesium (min)	0.40%
Sulfur (min)	1.00%

Uses: Apple Flavored Electrolytes:

- Helps replace electrolytes lost by dehydration during exercise, training and competition
- Helps support normal mineral balance
- Apple flavored, sodium-based electrolyte

Directions for use – Enclosed scoop holds one (1) ounce. APPLE-DEX™ electrolyte may be added to the horse's feed or drinking water at the rate of 2 ounces per 10 gallons of fresh water, or 2 ounces in the horse's daily feed ration in place of regular salt.

Important: : When added to water, allow no other source of drinking water. Some horses may refrain from drinking water with sudden changes in taste. In this situation, Apple-Dex™ electrolyte should be added to the horse's daily feed ration.

Pharmaceutical Precaution:

For animal use only

Keep Out of Reach of Children



Asuntol 20%

Uses:

Asuntol is a concentrated liquid emulsion for spraying and immersion baths.

Composition:

Coumaphos20%w/w

Inert Ingredient80% w/w

Indications:

Control of ticks, scabies, lice, fleas, flies and other ectoparasites in cattle, horse, goats, sheep, pigs, and dogs.

Table below displays respective uses of Asuntol Liquid and the species of animal it effectively treats.

Indications	Domestic Species				
	Cattle	Ovine	Horses	Pigs	Dogs
Ticks (of one or more guests) Ticks ears	•	•	•		•
Mites, mange	•	•	•	•	•
Fleas				•	•
Lice, biting and sucking	•	•	•	•	•
Melófago sheep (false tick)		•			
Larvae hipoderma (Gadfly) and dermotobia (grubs or moyocuil)	•				
Maggoty, myiasis (maggots or gusaneras) A	•				
Stable flies, horns and other insects (B)	•	•	•	•	•

Directions for use – Asuntol liquid is always mixed with water.

Immersion Bath

100ml in 100 litres of water

Refill: 100ml in 50 litre of water

Hand Spraying

100ml of Asuntol in 100 litres of water. This corresponds to approximately 4 ml per gallon of water.

Wet well with 3 to 4 Litres of liquid per adult cattle. Spray the ears, armpits, between legs, udder, under the tail, etc. Pregnant young and weak animals can be treated without problem.

Asuntol 20% (continued)

Withdrawal Period –

Meat : 30days

Milk: 3 days

Frequency of use – Given the residual effect of **Asuntol** and the life cycle of ticks of the genus *Amblyomma* (tick 3 guests), also known as silver or tostonera, frequency of treatment should be every 7 to 14 days for effective control.

In the case of the genus *Boophilus* (ticks of a guest) also known as red, conchuda leathery or deer tick, apply ever 21 days for effective control or every 14 days at time of high infestation.

The frequency for combating mites (mange), fleas, lice and melófagos is a bath every 7 days repeating 3 times.

Due to the high efficiency of **Asuntol** against ticks and the emergence of resistant strains in some areas of the country, it is important to establish appropriate control strategies and emphasize the proper use.

Asuntol is well tolerated at recommended concentrations, only serious oversights can lead to poisoning: Symptoms of mild cases disappear within a few hours. In severe cases of poisoning (vomiting, staggering, unconsciousness) immediately contact your local veterinarian.

Protective Gear:

When handling this product wear protective clothing including long sleeve shirt, long pants, shoes and socks, gloves, face mask and eye wear.

First Aid

Skin

If the product contacts the skin wash immediately with soap and water. Remove contaminated clothing and launder separately before reuse.

Eye

Rinse using Plenty of water in a continuous flow for 15 minutes.

Ingestion:

Induce vomiting administering one tablespoon of Syrup of Kaolin Pectate until the vomiting is clear. Never give an unconscious person anything to drink.

In case of intoxication, take the patient to the doctor and give the product label.

Pharmaceutical Precaution:

Asuntol should not be stored with human food or animal feed.

Avoidable direct contact of the product with the skin. If this occurs, wash immediately with soap and water.

Empty containers should be subjected to triple rinse before being eliminated or sent to recycling.

Avoid prolonged contact with the product and wash with plenty of water body parts that have come into contact with **Asuntol**.

During preparation of the product do not eat, drink, or smoke.

After use wash handsequipment and clothing. Carelessness or negligence can cause symptom of intoxication: lack of appetite, run-down, diarrhoea, shivering, etc, which disappears after a few hours.

Store in a cool place.

Read instructions before use.

Keep away of children.

Antidote atropine sulphate 1%

Humans	0.2 ml = 2 mg
Horses and adult cattle	8 to 10 ml
Foals, calves, sheep, goats, pigs and dogs	2 to 5 ml



Avimox 100 mg/g water soluble antibiotic powder

Active Ingredients – Amoxicillin 100.0 mg/g (as trihydrate 114.8 mg/g)

Uses – Treatment of diseases caused by bacteria susceptible to amoxicillin. Not effective against beta-lactamase producing organisms. Indicated in infections of the lung and the respiratory tract, infections of the gastrointestinal, excretory and genital tract, local infections; also

skin infections and secondary bacterial infections due to virus infections. Due to its low toxicity and bacterial action amoxicillin is a safe antibiotic also for debilitated animals

Directions for use – Avimox is suitable for addition to milk, milk replacer, water, liquid feed or food.

Calves	20 mg amoxicillin/kg b.w./twice a day for 3 – 5 days
Pigs	10 mg amoxicillin/kg b.w./twice a day for up to 5 days
Chickens	8 - 20 mg amoxicillin/kg b.w./twice a day for 3 – 5 days
Turkeys	15 - 20 mg amoxicillin/kg b.w./twice a day on days 1, 3 and 5 (no medication on days 2 and 4)
Ducks	20 mg amoxicillin/kg b.w./twice a day on days 1 and 3 (no medication on day 2)
Parrots & Budgies	1.5 g Avimox/kg b.w./2-3 times daily (in water or soft food)
Canaries & singing birds	2 – 4 g Avimox/In drinking water or 3 – 5 Avimox / kg soft food
Pigeons	8 – 10 g Avimox/In drinking water

Determine the combined bodyweight (in kg) of all the animals to be treated. Select the correct number of sachets according to the amount of product required. This sachet is sufficient to treat, per administration, a total of 500 kg of calves (e.g. 10 calves with an average bodyweight of 50 kg), or a total of 1000 kg of pigs (e.g. 500-1250 chickens with an average bodyweight of 1 kg, depending on the dose). This product is to be added to a volume of water that the animals will consume in 12 hours.

Withdrawal Period – Meat and offal: Calves: 11 days, Pig: 2 days, Chickens: 1 day, Turkey: 5 days, Ducks: 9 days, Eggs: 2 days

Pharmaceutical Precaution:

Use of the product should be based on susceptibility testing and it should take into account official and local antimicrobial policies. Use only according to the benefit/risk assessment of the responsible veterinarian. As a part of good husbandry and veterinary practice, prepare fresh medicated drinking water twice daily, no other source of drinking water should be re-examined. Penicillin and cephalosporins may cause hypersensitivity (allergy). In the absence of compatibility studies, this product must not be mixed with other veterinary products. Any unused product or waste materials derived from such product should be disposed of in accordance with local requirements

Store below 25°C, protected from light, damp and heat exposure.





Banamine®

Active Ingredients – (FLUNIXIN MEGLUMINE)
Injectable Solution, 50 mg/mL

Uses:

Horses – BANAMINE Injectable Solution is recommended for the alleviation of inflammation and pain associated with musculoskeletal disorders in the horse.

It is also recommended for the alleviation of visceral pain associated with colic in the horse.

Cattle – BANAMINE Injectable Solution is indicated for the control of pyrexia associated with bovine respiratory disease, endotoxemia and acute bovine mastitis. BANAMINE Injectable Solution is also indicated for the control of inflammation in endotoxemia.

Directions for use:

Horses – The recommended dose for musculoskeletal disorders is 0.5 mg per pound (1 mL/100 lbs) of body weight once daily. Treatment may be given by intravenous or intramuscular injection and repeated for up to 5 days. Studies show onset of activity is within 2 hours. Peak response occurs between 12 and 16 hours and duration of activity is 24-36 hours.

The recommended dose for the alleviation of pain associated with equine colic is 0.5 mg per pound of body weight. Intravenous administration is recommended for prompt relief. Clinical studies show pain is alleviated in less than 15 minutes in many cases. Treatment may be repeated when signs of colic recur. During clinical studies approximately 10% of the horses required one or two additional treatments. The cause of colic should be determined and treated with concomitant therapy.

Cattle – The recommended dose for control of pyrexia associated with bovine respiratory disease and endotoxemia and control of inflammation in endotoxemia, is 1.1 to 2.2 mg/kg (0.5 to 1 mg/lb; 1 to 2 mL per 100 lbs) of body weight given by slow intravenous administration either once a day as a single dose or divided into two doses administered at 12-hour intervals for up to 3 days. The total daily dose should not exceed 2.2 mg/kg (1.0 mg/lb) of body weight. Avoid rapid intravenous administration of the drug.

The recommended dose for acute bovine mastitis is 2.2 mg/kg (1 mg/lb; 2 mL per 100 lbs) of body weight given once by intravenous administration.

Withdrawal Period – Cattle must not be slaughtered for human consumption within 4 days of the last treatment. Milk that has been taken during treatment and for 36 hours after the last treatment must not be used for

food. Not for use in dry dairy cows. A withdrawal period has not been established for this product in preruminating calves. Do not use in calves to be processed for veal. Not for use in horses intended for food. Approved only for intravenous administration in cattle. Intramuscular administration has resulted in violative residues in the edible tissues of cattle sent to slaughter.

Contraindications:

Horses – There are no known contraindications to this drug when used as directed. Intra-arterial injection should be avoided. Horses inadvertently injected intra-arterially can show adverse reactions. Signs can be ataxia, incoordination, hyperventilation, hysteria, and muscle weakness. Signs are transient and disappear without antidotal medication within a few minutes. Do not use in horses showing hypersensitivity to flunixin meglumine.

Cattle – NSAIDs inhibit production of prostaglandins which are important in signaling the initiation of parturition. The use of flunixin can delay parturition and prolong labor which may increase the risk of stillbirth. Do not use BANAMINE Injectable Solution within 48 hours of expected parturition. Do not use in animals showing hypersensitivity to flunixin meglumine. Use judiciously when renal impairment or gastric ulceration are suspected.

Pharmaceutical Precaution:

Store between 2° and 30° C (36° and 86° F).



Benvet Suspension

Active Ingredients – Albendazole

Presentation – Benvet 2.5%, Benvet 10%

Broad-Spectrum Dewormer – Oral Suspension for Use in Cattle, Sheep, and Goats for removal and control of liver flukes, tapeworms, stomach worms (including 4th stage inhibited larvae of *Ostertagia ostertagi*), intestinal worms, and lungworms in cattle and sheep and for the

treatment of adult liver flukes in nonlactating goats

Indications:

Cattle and sheep – Benvet is a broad-spectrum anthelmintic effective in the removal and control of liver flukes, tapeworms, stomach worms (including 4th stage inhibited larvae of *Ostertagia ostertagi*), intestinal worms, and lungworms as indicated below.

Goats – For the treatment of adult liver flukes in nonlactating goats.

Parasite	Cattle	Sheep	Goats
Adult Liver Flukes	<i>Fasciola hepatica</i>	<i>Fasciola hepatica</i> , <i>Fascioloides magna</i>	<i>Fasciola hepatica</i>
Heads and Segments of Tapeworms	<i>Moniezia benedeni</i> , <i>M. expansa</i>	Common Tapeworm (<i>Moniezia expansa</i>), Fringed Tapeworm (<i>Thysanosoma actinioides</i>)	
Adult and 4th Stage Larvae of Stomach Worms	Brown Stomach Worm, including 4th stage inhibited larvae (<i>Ostertagia ostertagi</i>), Barberpole Worm (<i>Haemonchus contortus</i> , <i>H. placei</i>), Small Stomach Worm (<i>Trichostrongylus axei</i>)	Brown Stomach Worm (<i>Ostertagia circumcincta</i> , <i>Marshallagia marshalli</i>), Barberpole Worm (<i>Haemonchus contortus</i>), Small Stomach Worm (<i>Trichostrongylus axei</i>)	

Parasite	Cattle	Sheep	Goats
Adult and 4th Stage Larvae of Intestinal Worms	Thread-necked Intestinal Worm (Nematodirus spathiger, N. helveticus), Small Intestinal Worm (Cooperia punctata, C. oncophora)	Thread-necked Intestinal Worm (Nematodirus spathiger, N. helveticus), Cooper's Worms (Cooperia oncophora), Bankrupt Worm (Trichostrongylus colubriformis), Nodular Worm (Oesophagostomum columbianum), Large-mouth Bowel Worm (Chabertia ovina)	
Adult Stages of Intestinal Worms	Hookworm (Bunostomum phlebotomum), Bankrupt Worm (Trichostrongylus colubriformis), Nodular Worm (Oesophagostomum radiatum)		
Adult and 4th Stage Larvae of Lungworms	Dictyocaulus viviparus		
Adult and Larval Stages of Lungworms		Dictyocaulus filaria	

Direction For Use:

Cattle			Sheep			Goats		
Body Weight	Dosage 2.5%	Dosage 10%	Body Weight	Dosage 2.5%	Dosage 10%	Body Weight	Dosage 2.5%	Dosage 10%
250 lb	32ml	8ml	25 lb	2ml	0.5ml	25 lb	2ml	0.5ml
500 lb	64ml	16ml	50 lb	5ml	1.2ml	50 lb	5ml	1.2ml
750 lb	95ml	24ml	75 lb	7ml	2ml	75 lb	7ml	2ml
1000 lb	128ml	32ml	100 lb	9ml	2.5ml	100 lb	9ml	2.5ml

Benvet Suspension (continued)

Important: Accurate estimates of the weight of the cattle, sheep, and goats to be treated are essential for most effective results with this product. Animals constantly exposed to internal parasites should be retreated as necessary.

Withdrawal Period – Cattle must not be slaughtered within 27 days following last treatment. Sheep and Goats must not be slaughtered within 7 days following last treatment. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. Do not administer to female cattle during first 45 days of pregnancy or for 45 days after removal of bulls.

Note:

Do not administer to ewes during the first 30 days of pregnancy or for 30 days after removal of rams. Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism.

Pharmaceutical Precaution:

Keep This and All Medication Out of Reach of Children

Shake Well Before Using

For Use in Animals Only



Biotin Crumble

Active Ingredients – Dehydrated Alfalfa Meal, Wheat Middlings, Rice Bran, Oats, Molasses, Biotin, Soybean Oil, Natural and Artificial Flavors, Propionic Acid (as a preservative).

Guaranteed Analysis

Crude Protein, min	12.0%
Crude Fat, min	8.0%
Crude Fiber, max	15.0%
Biotin	110mg/lb.

Directions for use – Top-dress 1/2 to 1 ounce of Biotin Crumbles into each horse's daily ration.
1 oz. Measure enclosed.

Pharmaceutical Precaution:

Store in a cool, dry place.

For animal use only.

Keep out of reach of children.



Black Leg Vaccine ESSENTIAL 2 + P

Active Ingredients – Clostridium Chauvoei-Septicum, Mannheimia Haemolytica-Pasteurella-Multocida Bacterin Killed Bacterin

Uses – For use in healthy cattle, sheep and goats as an aid in the prevention of Blackleg, Malignant Edema, and Pasteurellosis caused by the micro-organisms named.

Directions for use:

Cattle: Inject 5ml subcutaneously. Calves vaccinated under three months of age should be revaccinated at weaning or 4 to 6 months of age.

Sheep, goat: Inject 3ml subcutaneously. Revaccinate with Mannheimia Haemolytica-Pasteurella Multocida Bacterin

Withdrawal Period – Do not vaccinate within 21 days before Slaughter.

Contraindications – Do not use in animals hypersensitive to penicillins. Do not use in small rodents.

Pharmaceutical Precaution:

Store at 2° to 7° C. Do not freeze

Shake well before use

Use entire contents when first opened

Do not vaccinate within 21 days before slaughter.

Anaphylactoid reaction may occur following administration of products of this nature.



Blue Lotion

Antiseptic Wound Dressing and Gall Lotion

Active Ingredients – Acriflavin 0.05%, Methyl Violet 0.85%, Technical Furfural 0.96%, Urea 3.00%.

Uses – A quick-drying, deep-penetrating antiseptic wound dressing and gall lotion. Effective against bacterial infection most common in skin lesions of horses and dogs. Use as an aid in treatment of surface wounds, minor cuts, skin abrasions, harness galls and saddle sores.

Directions for use:

First clean and dry affected area to be treated. Then apply Blue Lotion generously with dauber cap directly onto lesions. Repeat applications daily or more often until healing takes place.

For external animal use only. In case of deep or puncture wounds or serious burns, consult veterinarian. If redness, irritation or swelling persists or increases, discontinue use and consult veterinarian. Avoid contact with the eyes and mucous membranes. Do not apply to large areas of the body.

Do not apply to cats. Not for use on animals intended for food. Note that this product will stain clothing.

Pharmaceutical Precaution:

Keep Out Of Reach Of Children

Not For Human Use

Not For Use On Animals Intended For Food

Keep away from heat or open flame.



Boosty 'VO

Immediately available energy in order to help the animal to access the maternal colostrum.

Activity and tonicity stimulation, thanks to a special plant extracts blend.

Beneficial bacteria colonization of the gut

Improving the physical condition, suckling ability, and resistance to stress. Nutritional supplement for newborn calves.

Active Ingredients – Fast absorption triglycerides, essential fatty acids, glucose, colostrum, lactic acid bacteria, vitamins A, D, B1, B2, B6, B12, PP, C, tonic and herbal extracts, iron and flavouring.

Uses –Weak, small and underweight animals

In case of parturition problems

Twins

Poor maternal instinct

Directions for use:

Introduce the syringe on to the back of the tongue and allow the calf to swallow.

One syringe as soon after birth as possible and repeat in the first day of life.

Pharmaceutical Precaution:

Keep Out Of Reach Of Children

Not For Human Use

Not For Use On Animals Intended For Food

Keep away from heat or open flame.

Bovaclox DC Xtra Intramammary Suspension



Active Ingredients – Cloxacillin (as cloxacillin benzathine) 600 mg; Ampicillin (as ampicillin trihydrate) 300 mg
In a long-acting base

Uses – Bovaclox DC Xtra is formulated for use in the dairy cow at the point of drying off, that is, immediately after the last milking of the lactation, in order to treat existing mastitis and to provide protection against further infections during the dry period. Bovaclox DC Xtra is a useful aid in reducing the incidence of summer mastitis in heifers and dry cows at risk. Bovaclox DC Xtra is active against both Gram-positive and Gram-negative organisms which are associated with mastitis and is effective against *Streptococcus agalactiae* and other *Streptococcus* species, penicillin resistant and sensitive *Staphylococci*, *Corynebacterium* species, *Escherichia coli* and other susceptible Gram-negative bacteria. Cloxacillin benzathine and ampicillin trihydrate in a long-acting base maintain effective antibacterial levels in the dry cow udder for up to 10 weeks and are non-irritant to udder tissue.

Directions for use:

The recommended procedure is as follows: The animal(s) should be properly restrained. The teats are cleaned and disinfected. The teat orifice is located and the nozzle of the syringe placed against it but NOT inserted. When the syringe plunger is depressed the antibiotic passes easily through the teat into the udder.

Dry Off Therapy: After the final milking of a lactation, clean and disinfect the teats and introduce the contents of one syringe into each quarter via the teat canal. Avoid contamination of syringe nozzle..

Withdrawal Period – Do not use on cows which have a very short dry period. Not intended for use within 49 days of calving. Milk for human consumption may only be taken from 156 hours after calving. Should a cow calve earlier than 49 days after the last treatment, milk for human consumption may only be taken from 49 days plus 156 hours after the last treatment. Should a cow calve earlier than 49 days after treatment, consult your veterinary surgeon. Animals must not be slaughtered for human consumption during treatment. Cattle may be slaughtered for human consumption only after 28 days from the last treatment. The product must not be used in the treatment of lactating cows. Should this occur milk should be discarded for 30 days, following which time milk should be tested until antibiotic can no longer be detected.

Pharmaceutical Precaution:

Do not store above 25°C. Keep out of reach of children. Not for human use. Not for use on animals intended for food. Keep away from heat or open flame.



Bovitraz 12.5%

Active Ingredients – Amitraz 12.5%.

Uses – Bovitraz is indicated against ticks, scabies and lice for spraying and immersion baths in Cattle, Sheep, Pigs, Goats, and Dogs.

Directions for use:

Dilute one part of Bovitraz in 500 parts water as per table below. Pour the required amount of concentrate in a container of water and mix thoroughly. Ten litres of wash is normally enough for one adult cow. Spray cattle at 7 day intervals for total control of ticks and tick borne diseases.

Spraying in Cattle:

Dilute 40 ml of Bovitraz in 20 Litres of water, and according to the table below:

Bovitraz	Water
20 ml	10 liters
30 ml	15 lt
40 ml	20 lt
50 ml	25 lt
100 ml	50 lt

The dilution should be done at the time of use, mixing properly. Use a manual or motorized sprayer, making sure it has enough pressure to penetrate under the hair.

The amount needed to wet adult cattle shall not be less than 5 lt.

Pigs Spray: Dilute one part of Bovitraz in 250 parts water or 20 ml in 5 lt. and sprinkled on the animals. Reapply at 14 days.

Dogs: Dilute Bovitraz at 2 ml per liter of water, making bath or spray twice a week for up to 7 weeks (if necessary). For control of scabies sarcoptica and demodex lice and ticks.

After bathing the dog, allow the dog to dry off outdoors.

Bovitraz should not be used in chihuahuas, "toys", collies and shepherds which are very susceptible to Amitraz – the active ingredient in Bovitraz.

Bovitraz should not be used in dogs smaller than 3 months of age.

Warning

Do not use in horses. It is toxic for fish, do not bath the animals when the weather is very hot or hectic. Do not bath if there is risk of rain or if it is raining.

Due to the high efficiency of Bovitraz against ticks and the emergence of resistant strains in some areas of the country, it is important to establish appropriate control strategies and focus on good use of facilities.

Withdrawal Period – Meat: 1 day Milk: Allow minimum of 7 hours following application before milking.

First Aid**Skin**

If the product contacts the skin wash immediately with soap and water. Remove contaminated clothing and launder separately before reuse.

Ingestion:

Induce vomiting administering one tablespoon of Syrup of Kaolin Pectate until the vomiting is clear. Never give an unconscious person anything to drink.

Pharmaceutical Precaution:

Store in original tightly closed containers kept in a cool well ventilated place away from moisture and heat.

Keep out of reach of children and uninformed persons.

Store away from food, feedstuff and drink

Avoid contact with skin and eyes. May cause skin and eye Irritation.

Do not breathe in spray vapour or mist. When mixing & spraying, wear protective clothing namely: footwear, gloves, face mask and overalls.

Do not eat, drink or smoke when handling Bovitraz.

Avoid contamination of food, animal feedstuffs and water.



Caco Iron Copper, Injectable Sterile Solution

Active Ingredients (per ml):

Sodium cacodylate	6.5 mg
Ferric chloride	1.13 mg
Copper gluconate	0.195 mg
PRESERVATIVE: (per mL)	
Benzyl Alcohol	1.5% W/V

Uses – Caco Iron Copper is recommended as an aid in cases of slow convalescence and debilitating diseases in horses. Caco Iron Copper is also used for anaemia (iron deficiency) and is administered intravenously.

Directions for use:

Administer slowly by intravenous route, 30 mL per 454 kg every second day. Repeat as needed or as recommended by the veterinarian.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store between 15°C and 25°C.



Cal-Plus

Calcium, Magnesium, Phosphorus & Dextrose Injection

Active Ingredients -

Calcium Borogluconate (equivalent to 19.1 mg/mL of calcium) 23.0% w/v

Sodium Hypophosphite (equivalent to 10.0 mg/mL of phosphorus) 2.85% w/v

Magnesium Chloride Hexahydrate 4.5% w/v

Dextrose Monohydrate 15.0% w/v

Uses - As an aid in the treatment of milk fever and other calcium, glucose, magnesium and phosphorus deficiencies of cattle, sheep, horses and swine.

Directions for use:

For intravenous, subcutaneous or intraperitoneal administration in cattle, sheep and swine and strictly intravenously in horses. Dosage should be divided over several sites for subcutaneous injections. Inject slowly and carefully. Warm to body temperature before administration.

Dosage and Administration:

Adult Cattle and Horses 250-500 mL; Adult Sheep and Swine 50-125 mL. Repeat in several hours if required or as recommended by the treating veterinarian.

Contraindications - Do not retain partially used bottle. Contains no preservatives. Use only if solution is clear. If no improvement is noticed in the condition being treated after 24-36 hours or less depending on the severity of the condition, the diagnosis should be re-evaluated and a veterinarian consulted.

Pharmaceutical Precaution:

Store between 15°C and 30°C.

Keep from freezing

Keep out of reach of children.



Canine Red Cell

Canine Red Cell® is a liquid vitamin and mineral supplement that gives hunting/field dogs and performance dogs the energy they need. Fortified with iron and zinc to boost their immune system and help them recover quickly. Also ideal to use with pregnant and lactating females, older or debilitated dogs and puppies, and any dog needing a nutritional boost. The tasty beef liver flavored liquid can be fed directly or added to food.

Active Ingredients – Water, Ferric Ammonium Citrate, Ammonium Hydroxide, Xanthan Gum, Zinc Sulfate, Vitamin E Supplement, Saccharin Sodium, Citric Acid (preservative), Vitamin A Supplement, Choline Chloride, Potassium Sorbate (preservative), Beef Liver Concentrate, Sodium Benzoate (preservative), Niacinamide, Manganese Sulfate, Potassium Chloride, Copper Sulfate, Thiamine Hydrochloride, Vitamin D3 Supplement, Artificial Color, Cobalt Sulfate, Riboflavin, D-calcium Pantothenate, Pyridoxine Hydrochloride, Folic Acid, Sodium Bicarbonate, Sodium Selenite, Vitamin B12 Supplement, and Menadione Sodium Bisulfite Complex.

Uses – Canine RED CELL ® is a feed supplement for dogs for use as a supplemental source of vitamins and minerals.

Directions for use:

Mix the following quantities of Canine RED CELL ® with the animal's regular food or feed directly. Shake well before using.

DOGS & PUPPIES: Feed 1 teaspoon for each 10 lbs of body weight.

KENNEL FEEDING: Mix 4 ounces of Canine RED CELL ® for each 10 lbs of food. Double amounts may be fed to animals during gestation and lactation

Pharmaceutical Precaution:

This product is intended for supplemental feeding only. Feed only as directed. Caution: Follow label directions. The addition to feed of higher levels of this premix containing selenium is not permitted. Do not feed to cattle or other ruminants.

For animal use only.

Keep out of reach of children.



Carlo Screw Worm & Ear Tick Killer Aerosol (200ml)

Kills and Expels screw worms from animals' flesh wounds. Kills Spinose Ear Tick and larva to prevent screw worm infestation.

Active Ingredients – Cypermethrin 2.00%, xylene 24.00%, inert ingredients and blue colour 74.00%

Uses – Carlo Screw Worm and Ear tick killer should be sprayed on all wounds on cattle, sheep, goats, dogs, mules, donkey and horses immediately to prevent infestation. Treat wounds resulting from wire cuts, ticks, bites, dehorning, castration etc. also carefully treat navels of new born animals. Bloody discharge wounds may require several treatment. Repeat weekly until wound is healed. May also be used in the eradication of screw worms.

Directions for use:

To kill screwworms and blowfly maggots: hold can 4 inches from wound. Spray in wound and 1 inch around until thoroughly wet. Blue colour is added for easy identification of sprayed area. Re-treat as necessary.

To kill spinose ear tick and larva: in cattle, horses, goats, sheep, dogs, mules and donkeys spray down into ear for 2 seconds. Do not use on animals under 3 months.

Pharmaceutical Precaution:

- Keep out of Reach of Children.
- Read Instructions before Use.
- Harmful if swallowed or inhaled.
- Wash hand thoroughly immediately after use.
- Do not store with food, feed stuff or Utensils.
- Do not use on lactating Dairy Animals.
- Keep in a cool dry place away from heat and flame.
- Avoid breathing spray Mist.
- Do not puncture container.



Carlo Wound Powder (0.85g)

Active Ingredients – Sulphathiazole (BP) 5.0% w/w

Uses – Anti-bacterial; controls secondary infections and prevents re-infections.

Directions for use:

Remove cap, squeeze sides of container in short bursts. See that powder covers around and penetrates deep down into wounds. Repeat treatment daily, or when necessary. For quick healing of cuts, sores, skin abrasions on horses, cattle, sheep, goats, pigs, rabbits, dogs and cats.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Keep Away from heat

Keep Away from sources of Ignition

Keep in dry cool place

For animal use only



Carlovite-21 (3.785 litres)

Active Ingredients – Dextrose, calcium silicate, vitamin A supplement, D-activated animal sterol (source of vitamin D3, DL-Alpha tocopheryl acetate, riboflavin supplement, niacin, choline bitartrate, d-calcium pantothenate, pyridoxine hydrochloride, thiamine mononitrate, folic acid, menadione sodium bisulfite complex, vitamin B-12 supplement, potassium chloride, iron ammonium citrate, ferric choline citrate, copper proteinate, copper sulphate monohydrate, zinc proteinate, zinc sulphate, magnesium sulphate, manganese proteinate, manganese sulphate, beef peptone natural and artificial flavourings.

Uses – Carlovite-21 is a palatable, nutritive dietary supplement for the performance horse, containing iron, vitamins and minerals.

Directions for use:

Horses in training: Two to Four ounces daily on feed or with dosage syringe.

Mares: Two to Four ounces daily. Last trimester- four ounces on feed with dosage syringe..

Stallions: Two ounces daily on feed or with dosage syringe.

Foals and yearlings: half to one ounce on feed or with syringe depending on size.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Shake well before use

Keep Bottle closed and in a dry cool place

Keep Out Of Reach of Children

For animal use only



Celmanax Liquid

Active Ingredients – Hydrolysed yeast, yeast extract, yeast culture, acetic acid (preservative), xanthan gum (stabilizer), and FD&C Blue #1.

Uses – Celmanax helps bypass health issues, keep animals in optimal condition. With Celmanax your animals get a full dose of yeast culture plus the extra power of MOS (mann-ologosaccharide) and betaglugcans to help bind mycotoxins, improve gut health, increase average

daily weight gain and maximize feed efficiency, contributing to increased profitability.

Celmanax has been proven to:

- Increase Average Weight Gain
- Promote Rapid Growth Rate
- Strengthen Immune System
- Helps reduce heat stress
- Binds Harmful pathogen/toxin, eventually neutralizes their negative impact
- Reduce overall Medication Cost
- Improves feed conversion
- Helps reduce morbidity in birds infected with E.coli and coccidiosis
- Helps reduce salmonella colonization

Celmanax helps to effectively manage mycotoxic damage while maintaining feed intake and feed efficiency. Including Celmanax in Broiler breeder's diets helps keep the birds as well as the eggs and chicks free of Salmonella.

Directions for use:

Dairy:

Pre-Fresh Dry Cow: 28 ml/head/day

Lactating Cow: 14 ml/head/day

Milk replacer: 8 ml/head/day

Calf Starter: 8 ml/head/day

Heifer: 10 ml/head/day

Chickens:

Layer, Broiler, Broiler/Breeder:

0.25 ml/L

Turkeys:

Breeder, Poultry, Grow/Finish: 0.25 ml/L

Beef:

Beef cow: 10 ml/head/day

Newborn to 250lbs: 7 ml/head/day

Beef Calf, 250-500 lbs: 7 ml/head/day

Feedlot: 12 ml/head/day

Swine:

Sow: 6 ml/head/day

Nursery: 2 ml/head/day

Grow/Finish: 6 ml/head/day

Withdrawal Period –

No withdrawal period observed.

Pharmaceutical

Precaution:

Shake well before use

Keep Bottle closed and in a dry cool place

Keep Out Of Reach of Children

For Animal use only

Certifect for Dogs



Active Ingredients, Side A

Fipronil	9.8%
(S)-methoprene	8.8%
OTHER INGREDIENTS	81.4%
TOTAL	100.0%

Active Ingredients, Side B

Amitraz	22.1%
OTHER INGREDIENTS	77.9%
TOTAL	100.0%

Uses – CERTIFECT® rapidly starts killing all stages of ticks within 6 hours, including Deer ticks, Gulf Coast ticks, Black legged ticks, Brown Dog ticks, American Dog ticks, Lone Star ticks, Yellow Dog ticks, European Dog ticks, Wood ticks, and Paralysis ticks

- Detaches ticks when applied to a dog with a pre-existing infestation
- Kills ticks which may transmit Lyme Disease, Canine Ehrlichiosis, Anaplasmosis, Rocky Mountain Spotted Fever, Hetatozoonosis, Babesiosis, or cause tick paralysis
- Provides potentiated efficacy against ticks
- Rapidly starts killing ticks within 6 hours
- Kills adult fleas, flea eggs & flea larvae
- Prevents all flea stages (eggs, larvae, pupae) from developing
- Kills fleas that may transmit disease, including bartonellosis and tapeworm disease.
- Kills fleas which may cause flea allergy dermatitis
- Stops existing infestations and prevents re-infestations of fleas and ticks
- Long-lasting for 1 month against ticks and 3 months against fleas
- Eliminates infestations with chewing lice
- Aids in control of sarcoptic mange infestations
- Can be used on dogs and puppies 8 weeks or older
- Can also be used on breeding, pregnant, and lactating bitches
- Waterproof
- Remains effective after swimming

Certifect (continued)

CERTIFECT® aids in the control of sarcoptic mange infestations. Apply once per month for at least two months for the elimination of mites.

CERTIFECT® can also be used for the treatment and control of flea, tick and chewing lice infestations on breeding, pregnant, and lactating bitches.

DO NOT USE ON CATS

Directions for use:

Research demonstrates that CERTIFECT® kills adult fleas (*Ctenocephalides felis* and *Ct. canis*), flea eggs, and flea larvae for up to three months.

CERTIFECT® also prevents development of all flea stages for up to three months. Although CERTIFECT® can control fleas for up to three months, if there is a high risk of reinfestation or if the pet has fleas which may cause flea allergy dermatitis, a once monthly application may be needed.

CERTIFECT® to be applied at the base of the neck as well as between the shoulder blade.

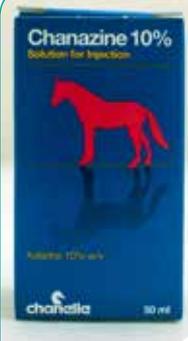
CERTIFECT® remains effective even after bathing, water immersion, or exposure to sunlight.

For easy and convenient treatment, CERTIFECT® for dogs is available in sizes for small dogs and puppies ONLY 8 weeks or older and 5-22 lbs, medium dogs 23-44 lbs, large dogs 45-88 lbs, and extra large dogs 89-132 lbs.

For Dogs & Puppies ONLY 8 weeks or older and 5-22 LBS	Contains 3-0.036 fl oz (1.70 ml) applicators
For Dogs ONLY 23-44 LBS	Contains 3-0.072 fl oz (2.14 ml) applicators
For Dogs ONLY 45-88 LBS	Contains 3-0.145 fl oz (4.28 ml) applicators
For Dogs ONLY 89-132 LBS	Contains 3-0.217 fl oz (6.42 ml) applicators

Withdrawal Period – No withdrawal period observed.

STORAGE. Store unused product in original container only in a cool dry place, out of reach of children and animals.



Chanazine 2% Solution for Injection

Active Ingredients – Xylazine base.

Uses – Chanazine 2% is a sedative with analgesic and muscle relaxant properties for use in cattle, horses, dogs and cats in cases where sedation is required including: Handling fractious animals e.g. for transportation; medical examinations e.g. X-ray examinations, removal of bandages; examination of the penis and oral cavity; premedication for minor superficial operations, and local or regional

anaesthesia; elimination of defaecation when examining and treating the vagina, uterus and hindquarters.

Directions for use:

Cattle: Chanazine 2% is given by intramuscular injection. The dose rate is 0.05 - 0.3 mg/kg (0.25 ml - 1.5 ml per 100 kg) bodyweight, according to the degree of sedation required. Very fractious animals may require the higher dose rates not exceeding 0.3 mg/kg.

Dose	Mg/kg	Mg/kg	ml/50kg
1	0.05	2.5	0.12
2	0.1	5.0	0.25
3	0.2	10.0	0.5
4	0.3	15.0	0.75

Horses: Chanazine 2% is given by slow intravenous injection. Dosage depends upon the degree of sedation required and the response of the animal and is 0.6 - 1 mg/kg (3 - 5 ml/100 kg) bodyweight. The horse does not usually become recumbent with Chanazine 2% and light to deep sedation with variable degree of analgesia is obtained. Animals should not be disturbed until Chanazine has taken its full effect. Effects are usually seen within 5 minutes and persist for approximately 20 minutes. Chanazine 2% may be employed in the horse as a premedication to barbiturate anaesthesia or in combination with regional or local anaesthesia. When used as a pre-anaesthetic medication the dose rate of barbiturate should be reduced to a quarter to half of the normal dosage. Nervous or excitable horses may require higher doses. Older horses and those having undergone severe physical exertion before treatment should receive the lowest dose rate..

Chanazine 2% Solution for Injection (continued)

Dogs: Chanazine 2% is administered intramuscularly at dose rates of 1 - 3 mg/kg (0.05 - 0.15 ml/kg) bodyweight. For painful procedures it may be used in combination with a local anaesthetic. Premedication with atropine may be desirable in some cases. Chanazine 2% is synergistic with the barbiturates and reduces the dosage of the latter by approximately one half.

Cats: Chanazine 2% is administered intramuscularly at a dose rate of 3 mg/kg (0.15 ml/kg bodyweight). Premedication with atropine may occasionally be desirable.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Do not administer by the intra-carotid route.

Do not use in:

- diabetes mellitus
- gastrointestinal obstruction
- heart or lung disease
- the first trimester or the last month of pregnancy
- cases of known hypersensitivity to the active ingredient.



Checkerphene (3.8L)

Active Ingredients – Ortho phenyl phenol, sodium hydroxide, ethanol.

Uses – Checkerphene is highly concentrated disinfectant cleaner which is effective against a wide range of microorganisms including many disease bacteria, fungi and viruses. This product is ideal for cleaning and disinfecting nursing homes, institutions, clinics, hospitals veterinary service facilities, the food processing industry, poultry and meat packaging plants, bathrooms, telephones and areas where disinfecting, hygiene and odour control are of primary importance.

Directions for use:

Surface	Use	Checkerphene	Water
Floors- tiles, vinyl, concrete, rubber etc	Renovate Regular maintenance	½ - 1 cup	1 gal/3.8L
Walls, equipment, woodwork, toilet seats, telephones, counters, tabletops, garbage pails etc	Clean Disinfect and deodorize	½ - 1 cup	1 gal/3.8L

1. Mix checkerphene solution according to dilution chart.
2. Spray, mop or wipe solution liberally on area to be cleaned
3. Allow to soak for 2-3 minutes
4. Flush or wipe away with clean water

Pharmaceutical Precaution:

Store in a cool, dry place



Chick Boost

Semi-wet complementary feed for day -old birds

Ingredients – Wheat, corn, soyabean meal, soya protein concentrate, wheat feed flour, corn gluten meal, sugar, soyabean treated thermally, glycerine, dicalcium phosphate, soluble fish proteins concentrate, sodium chloride.

Benefits

Hydration

Immediately available energy

Anti-stress

Nutrients early supply

Early chick development

Use

For all long or sensitive transports from hatchery to the farm (over 4 hours) and on arrival at the farm.

Directions for use:

For a transport process; a rate of 2 grs/hatchling poultry during the transport process.

At the arrival in the grow out facility; feeding at a rate of 5grs/hatchling poultry as soon as their arrival in the facility.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Do not store above 25°C and humidity above 65%.

Do not freeze.



Ciprolox Eye Ointment

Ciprofloxacin Ophthalmic eye Ointment USP 0.3% W/W

Active Ingredients – Ciprofloxacin .3% w/w,
Benzalkonium Chloride NF .01% w/w

Uses:

For Eye – Treatment of superficial ocular infections: Conjunctivitis, keratitis, keratoconjunctivitis, acute meibomianitis and dacryocystitis caused by strains susceptible to ciprofloxacin.

Prophylaxis: Infections due to *Neisseria gonorrhoeae* or *Chlamydia trachomatis*. Prevention of ocular infections after removal of a corneal or conjunctival foreign body, after damage from chemical or physical agents, before and after ocular surgery.

For Ear – Treatment of otitis externa, acute otitis media and chronic suppurative otitis media. Prophylactic in otic surgeries such as mastoid surgery.

Directions for use:

Acute infections: Half-inch ribbon every three to four hours initially, reducing the frequency of application gradually as infection is controlled.

Moderate infections: Half-inch ribbon two to three times daily or as often as needed.

Acute and chronic trachoma: Half-inch ribbon in each eye, two to four times daily for one to two months.

Pharmaceutical Precautions:

Keep in a cool dry place

Store below 25°C

For Animal Use Only



Circumvent® PCV

Active Ingredients – Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector.

Use:

For use in healthy swine, 3 weeks of age or older, as an aid in the prevention of viremia, and as an aid in the reduction of virus shedding caused by porcine circovirus type 2.

Directions for use:

Shake well. Inject a 2.0 mL dose intramuscularly into healthy pigs, 3 weeks of age or older, using aseptic technique. Inject a 2.0 mL booster dose 3 weeks later. Animals retained for breeding purposes should be given a booster dose semiannually. Duration of immunity data is not available but studies are in progress.

Pharmaceutical Precaution:

Store refrigerated at 2°-7°C (35°-45°F).

Do not freeze.

Use entire contents when first opened; do not save partial contents.

Burn the container and all unused product.

Use only in healthy swine.

Do not vaccinate within 21 days of slaughter.

Local injection site reactions may occur. If allergic reaction occurs, treat with epinephrine.

Caution should be used to avoid injecting your own fingers, hands, or other body parts. Accidental injection can cause serious local reactions.

Contact a physician immediately.



Circumvent® PCV M

Active Ingredients – Porcine Circovirus Vaccine, Type 2, Killed Baculovirus Vector, Mycoplasma Hypopneumoniae Bacterin

Use:

For use in healthy swine, 3 weeks of age or older, as an aid in the prevention of viremia, and as an aid in the reduction of virus shedding caused by porcine circovirus type 2, and as an aid in the control of pneumonia caused by *Mycoplasma hypopneumoniae*.

Directions for use:

Allow the vaccine to reach an ambient temperature of 16°- 27° C (60°- 80° F). Shake well and administer a 2.0 mL dose intramuscularly to healthy swine, 3 weeks of age or older, followed by a second 2.0 mL dose 3 weeks later. Duration of immunity is under development.

Withdrawal Period – Do not vaccinate within 21 days of slaughter.

Pharmaceutical Precaution:

Please note that local reactions may occur at the injection sites in vaccinates, and most of these reactions resolve in 16 to 23 days following vaccination. Some systemic reactions may be seen following vaccination. If allergic reaction occurs, treat with epinephrine.

Storage:

Store refrigerated at 35°-45°F (2°-7°C). Do not freeze. Use immediately after opening.



Citric Acid

Ingredients – Citric acid feed grade, citric acid anhydrous

Uses:

To acidify the gut and to sanitize the water line. Increases solubility when used in hard water and is also used as a water line cleaner.

Directions for use:

Use at the rate of 205 grams (one packet) for 645 litres (150 gallons) of drinking water. Use for broilers, layers and breeders.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool, dry place.

Cobalt Iodized Stock Salt



A fine-screened salt with cobalt and iodine that helps cattle, sheep, and goats synthesize vitamin B12 and plays a role in thermoregulation, intermediary metabolism, and reproductive growth and development. Iodine deficiencies in livestock can lead to goiter (an enlargement of the thyroid gland), a condition most often found in young animals. Cobalt iodized salt blocks are weather resistant for free choice feeding.

Active Ingredients – Sodium Chloride NaCl 99.0% (minimum), Iodine I 180 mg/kg (actual). Cobalt Co 120 mg/kg (actual).

Use:

An excellent salt for promoting growth because it combines the metabolism boosting benefit of iodine with the appetite stimulant effect of cobalt. Cobalt is not normally stored in the body at beneficial levels. In addition, it is not easily absorbed where it can be used for Vitamin B12 synthesis, which is an appetite stimulant.

Directions for use:

Feed this supplement free-choice to cattle, sheep, and goats.

Provide an adequate supply of fresh water for all animals at all times.

Ensure that average daily roughage meets required levels for all applicable animals.

Pharmaceutical Precaution:

Keep out of Reach Of Children

Ensure water is always available



Cod Liver Oil

Active Ingredients – First Companion Cod Liver Oil is an excellent source of Vitamin A, Vitamin D, the Omega-3 Fatty Acid, EFA, EPA, DHA.

Use:

First Companion Cod Liver Oil is an excellent source of Vitamin A, Vitamin D, the Omega-3 Fatty Acid, EFA, EPA, DHA. Cod Liver Oil is an excellent supplement for animals of all ages and classes.

Directions for use:

Horses 1000 lbs, feed 2 to 4 ounces daily mixed with normal feed ration. As a general rule of good feeding practice, Cod Liver Oil should be introduced gradually. Amount and frequency may be varied as necessary or, as directed by a veterinarian.

Pharmaceutical Precaution:

Shake well before use.

First Companion Cod Liver Oil is a pure and natural product; some of the nutritional components in Cod Liver Oil have a tendency to settle to the bottom of the jug. This is normal and expected.

Our Cod Liver Oil contains pure ingredients with no additives to insure freshness. We recommend the entire container should be consumed within two months of breaking the seal.

Keep Out of Reach of Children.



Combivit Solution for Injection

Active Ingredients – Each ml contains:

Thiamine Hydrochloride (Vitamin B1) 35mg
 Riboflavine Sodium Phosphate (Vitamin B2) 0.5mg
 Pyridoxine Hydrochloride (Vitamin B6) 7mg
 Nicotinamide 23mg
 Ascorbic Acid (Vitamin C) 70mg
 Chlorocresol (preservative) 1mg

Use:

1. Wherever deficiency of vitamin B group is suspected in horses, cattle and sheep.
2. In treatment of cerebrocortical necrosis in cattle and sheep.
3. In treatment of bracken poisoning in horses.

Directions for use:

Administer by subcutaneous, deep intramuscular or slow intravenous injection. The dose should be repeated daily as required. Normal aseptic precautions should be observed.

Species Dosage:

Horses, cattle 20–30ml

Calves, foals 5–10ml

Sheep 5–10ml

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool dry place.



Copper Sulphate

Soluble powder for poultry.

Active Ingredients – Copper sulphate.

Use:

As a contributor to the bird's intestinal health as an antimicrobial agent. It aids in the treatment of aspergillosis in poultry and in the protection of cells from free radical damage. Copper is a nutritional requirement for the production of haemoglobin.

Directions for use:

Litter treatment: Dissolve 500g (1 pouch) in 4L of water.

Aspergillosis: Make a 'stock' solution by dissolving 1 pouch in 5L of drinking water. Use this stock at a rate of 30ml in 9L of water for chicken for 5 consecutive days.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool, dry place and away from excessive heat.



Covexin® 8

Active Ingredients – Clostridium Chauvoei-Septicum-Haemolyticum-Novyi-Tetani-Perfringens Types C & D Bacterin-Toxoid.

Uses – For the vaccination of healthy cattle and sheep as an aid in the prevention of diseases caused by Clostridium chauvoei, C. septicum, C. novyi Type B, C. haemolyticum (known also as C. novyi Type D), C. tetani and C. perfringens Types C and D.

Immunity is also provided as an aid in the prevention of diseases caused by the beta and epsilon toxins of an additional organism, C. perfringens Type B. Although C. perfringens Type B is not a significant problem in North America (US), immunity is derived from a combination of Type C (beta) and Type D (epsilon) C. perfringens fractions.

Directions for use: Shake well using aseptic technique.

Cattle: Inject 5 mL subcutaneously or intramuscularly, repeated in 6 weeks. Revaccinate annually with 5 mL prior to periods of extreme risk or parturition. For animals subject to re-exposure to C. novyi Types B or D (C. haemolyticum) repeat the dose every 5 to 6 months. For C. perfringens Types B, C and D, revaccinate two weeks prior to parturition, introduction to lush pastures or finishing programs. Calves vaccinated under 3 months of age should be revaccinated at weaning or 4 to 6 months of age.

Sheep: Inject 5 mL subcutaneously followed by a 2 mL dose in 6 weeks. Revaccinate annually with 2 mL prior to periods of extreme risk or parturition. For animals subject to re-exposure to C. novyi Types B or D (C. haemolyticum) repeat the dose every 5 to 6 months. Vaccination should be scheduled so that pregnant ewes receive their second vaccination or annual booster 2 to 6 weeks before lambing commences in the flock. Lambs should be given their primary course beginning at 10 to 12 weeks of age.

Withdrawal Period – Do not vaccinate within 21 days before slaughter.

Pharmaceutical Precaution:

Anaphylactoid reactions may occur following use. **Antidote:** Epinephrine.

Storage:

Store at 35°-45°F (2°-7°C). Protect from freezing. Use entire contents when first opened.



Cystorelin®

Description – CYSTORELIN® is a sterile solution containing 50 micrograms of gonadorelin (GnRH) diacetate tetrahydrate per milliliter suitable for intramuscular or intravenous administration.

Active Ingredients, Side A

Each mL of CYSTORELIN contains

Gonadorelin diacetate tetrahydrate	50 mcg
Benzyl Alcohol	9 mg
Sodium Chloride	7.47 mg
Water for Injection, U.S.P.	q.s.

Uses – CYSTORELIN® is indicated for the treatment of ovarian follicular cysts in dairy cattle. Ovarian cysts are non-ovulated follicles with incomplete luteinization which result in nymphomania or irregular estrus.

Historically, cystic ovaries have responded to an exogenous source of luteinizing hormone (LH) such as human chorionic gonadotropin. CYSTORELIN initiates release of endogenous LH to cause ovulation and luteinization.

Directions for use:

The recommended intravenous or intramuscular dosage of CYSTORELIN is 100 mcg (2 mL) per cow.

Pharmaceutical Precautions:

Store at or below 77°F (25°C).

Brief excursions to 86°F (30°C) are permitted.

Discard remaining product 6 months after first use.

Not for use in humans.

Keep this and all drugs out of reach of children.

Dexamethasone 2, Injectable Sterile Solution



Active Ingredients – (per mL): Dexamethasone sodium phosphate, 2 mg

Uses – Dexamethasone 2 is a synthetic analogue of Prednisolone having similar but more potent anti-inflammatory therapeutic action and different hormonal and metabolic effects.

As with any drug, animals receiving Dexamethasone 2 should be kept under close observation and the recommended dosage should not be exceeded. All the precautions and contraindications for adrenocortical hormones apply at this time to the drug. Dexamethasone 2 is indicated as an aid in the treatment of bovine ketosis and as anti-inflammatory agent in dogs, cats, cattle and horses. Small animal's indications include inflammatory conditions involving the joints (where structural changes do not exist, such as peri-articular ankylosis, ruptured ligaments, sheaths, etc.) and non-specific dermatitis.

Directions for use: Shake well using aseptic technique.

Dexamethasone 2 must be administered by the intravenous or intramuscular route.

Therapy with Dexamethasone 2 should be individualised according to the severity of the condition being treated, anticipated duration of steroid therapy and the patient's threshold or tolerance for steroid excess. The lowest dose that will offer adequate relief in chronic conditions should be the dose employed. Large doses, however, may be necessary and in such instance, the patient must be closely observed for the occurrence of side effects. Acute conditions sometimes demand the use of larger doses for a short period of time in order to obtain the necessary degree of relief.

Dosage:

Dogs: 0.25 to 1.0 mg I.V. or I.M.

Cats: 0.125 to 0.5 mg I.V. or I.M.

Horses: 2.0 to 5.0 mg I.V. or I.M.

Cattle: 5.0 to 20.0 I.V. or I.M.

(Doses may be repeated if necessary).

Pharmaceutical Precaution:

Store between 15°C and 25°



DMG (3lb)

Active Ingredients – N,N-Dimethylglycine, dextrose

Use:

Recommended to support the circulatory system.

DMG plays a crucial role in the respiratory cycle of the cells by transporting oxygen. DMG is used to help transport the oxygen that breaks down glycogen (“blood sugar”) to fuel the ATP cycle. This function of DMG has led researchers to study its impact on lactic acid production in horses.

Supplementation of DMG makes additional DMG available to cells throughout the body. DMG is a water soluble nutrient and is very readily absorbed. DMG is constantly broken down as it is used in the mitochondria.

Directions for use:

For maintenance provide $\frac{1}{4}$ scoop twice daily. For performance, provide $\frac{1}{2}$ - $\frac{3}{4}$ scoop twice daily starting 3 days before and ending 2 days following event. One ounce scoop provided.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Keep in a cool, dry place.



DMSO (16 fl.oz)

Active Ingredients – Dimethyl sulfoxide.

Use:

First and foremost it is much appreciated for its superior ability to calm swellings, relieve inflammation, and even help when spinal and head trauma are involved, simply because DMSO penetrates the animal's skin quickly and in sufficient amounts to assist in the healing.

This product is intended for use as a solvent only. The choice of the process used in the various applications is the sole responsibility of the user. DMSO exhibits very extensive solvent properties. It can be used as an extraction solvent. Substances possessing a strongly polar character are generally easily dissolved in DMSO. The solvent power of DMSO and its power to penetrate the skin should give rise to precautions in handling this product. It is important to avoid direct contact of the skin or mucous membranes especially in case of a solution of chemicals and DMSO

Directions for use:

The choice of the process used in the various applications is the sole responsibility of the user.

Pharmaceutical Precaution:

Store in a cool, dry place.

Not approved for human use.

May cause skin irritation.

Avoid contact with eyes, skin, clothing.

Wash thoroughly after handling. In case of contact with eyes, immediately flush eyes with water. Call a physician.



Duo-San (3.8L)

Active Ingredients – Mixture of alkyldimethylbenzylammonium chloride and alkyldimethylethylbenzylammonium chloride.

Use:

Sanitizing: Clean and rinse non-porous food contact surfaces. Prepare sanitizing solution using dilution table. Make a fresh solution for each application. For immobile items, wet all surfaces thoroughly with the solution for at least 60 seconds using a cloth or sponge. Let dry. For mobile items, completely immerse in solution for 60 seconds. Remove and let dry.

Dairy industry: Wash udders, flank and teats of dairy cows with the appropriate solution.

For disinfecting: Heavily soiled areas must be cleaned prior to disinfecting. For hard inanimate surfaces, wet all surfaces thoroughly with solution using mop, sponge, cloth or mechanical sprayer. Allow to remain wet for at least 10 minutes, let dry.

Toilet bowls: Flush toilet. Add 28 ml Duo-San directly to the bowl water. Swab the bowl using a scrub brush or toilet bowl swab, paying particular attention to under the rim. Let stand for 10 minutes then flush.

As a fungicide: Duo-San controls mildew and mold on hard non-porous surfaces. Prepare fungicide solution according to dosage chart. Clean surfaces and wet thoroughly with solution using cloth, sponge or mop. Let dry. Repeat application at weekly intervals or when growth reappears.

Directions for use:

Use	Duo-San	Water
SANITIZING	28 ml	1 gal
DISINFECTING	28 ml	1 gal
FUNGICIDE	28 ml	1 gal
DAIRY INDUST	28 ml	3.75 gals

Pharmaceutical Precaution:

Store in a cool, dry place.



EarlyStart

Complete feed in the form of gel for the first 10 days of life.

An innovative and comprehensive solution for feeding your piglets from day 1 to day 10.

Active Ingredients – Dry Matter: 35%, Crude protein: 6.4%, Crude oils and fats: 4.2%, Crude Ash: 2.8%, Crude fibre: 0.4%, Lysine: 0.5%, Methionine: 0.2%, Theronine: 0.3%, Tryptophine: 0.1%, Calcium: 0.1%, Phosphorous: 0.1%, Sodium: 0.3%

Use:

Complete feed in the form of gel for the first 10 days of life of pigs. EarlyStart helps decrease pre-weaning mortality and increase average daily weight gain in piglets.

Directions for use:

Open one tray and put it on the floor of the farrowing pen. The first tray will last 2 to 3 days as the average intake per litter and per day is approx. 100g during the first 2-3 days of life. When the tray is empty, open one new tray. The average intake per litter during 10 days will be 6 trays (or 1,2 kg).

Withdrawal Period – No withdrawal period observed.

Storage:

Two years in original packing. Store at ambient temperature and out of direct sunlight

Eazi-Breed™ CIDR®



(Progesterone Intravaginal Insert)

Active Ingredients – Each Eazi-Breed CIDR Cattle Insert contains 1.38 grams of progesterone in molded silicone over a flexible nylon spine. Attached to each Eazi-Breed CIDR Cattle Insert is a polyester tail.

Uses

- Synchronization of estrus in lactating dairy cows, suckled beef cows, and replacement beef and dairy heifers
- Induction of estrous cycles in anestrous lactating dairy cows
- Synchronization of the return to estrus in lactating dairy cows inseminated immediately preceding estrus
- Advancement of first postpartum estrus in suckled beef cows
- Advancement of first pubertal estrus in replacement beef heifers
- Removal of the EAZI-BREED CIDR Cattle Insert on treatment Day 7 results in a rapid fall in plasma progesterone levels, which results in the occurrence of estrus in those animals responding to treatment.

Directions for use:

Lactating Dairy Cows

For Synchronization of Estrus in Lactating Dairy Cows:

- Administer one EAZI-BREED CIDR Cattle Insert per animal and remove 7 days later (for example if administered on a Monday remove the following Monday).
- Administer 5 mL LUTALYSE® Sterile Solution at the time of removal of the EAZI-BREED CIDR Cattle Insert.
- Observe animals for signs of estrus on Days 2 to 5 after removal of the EAZI-BREED CIDR Cattle Insert and inseminate animals found in estrus following typical herd practices.

For Induction of Estrous Cycles in Anestrous Lactating Dairy Cows:

- For induction of estrous cycles in anestrous lactating dairy cows, anestrous dairy cows can be identified using any of the following methods:
 - Cows not observed in estrus since calving.
 - Cows diagnosed twice without a corpus luteum on either ovary via ultrasonography at a 7 to 14 day interval, such as on Day 35 and Day 42 post calving.

-Cows with low concentration of progesterone in two blood or milk samples collected at a 7 to 14 day interval, such as samples collected on Day 35 and 42 post calving.

- Administer one EAZI-BREED CIDR Cattle Insert per anestrous cow and remove 7 days later (for example if administered on a Monday remove the following Monday).
- If insemination is intended, observe cows on Days 2 to 5 after removal of the EAZI-BREED CIDR Cattle Insert and inseminate animals found in estrus following typical herd practices.

For Synchronization of the Return to Estrus in Lactating Dairy Cows Inseminated Immediately Preceding Estrus:

- Administer one EAZI-BREED CIDR Cattle Insert per animal 14±1 days after insemination. Remove EAZI-BREED CIDR Cattle Insert 7 days later (for example, if administered on a Monday remove on the following Monday).
- Observe animals for signs of estrus on Days 1 to 3 after removal of the EAZI-BREED CIDR Cattle Insert and inseminate animals about 12 hours after onset of estrus.
- Note: Do not administer LUTALYSE® Sterile Solution or other prostaglandin products to cows for synchronization of the return to estrus, as this will interrupt pregnancy that may have occurred immediately prior to insemination.

Suckled Beef Cows, Replacement Beef and Dairy Heifers:

For synchronization of estrus in suckled beef cows and replacement beef and dairy heifers, advancement of first postpartum estrus in suckled beef cows, and advancement of first pubertal estrus in beef heifers:

- Administer one EAZI-BREED CIDR Cattle Insert per animal for 7 days (for example, if administered on a Monday remove on the following Monday).
- Inject 5 mL LUTALYSE® Sterile Solution [equivalent to 5 mg/mL dinoprost] 1 day prior to EAZI-BREED CIDR Cattle Insert removal, on Day 6 of the 7 day administration period.
- Observe animals for signs of estrus on Days 1 to 3 after removal of the EAZI-BREED CIDR Cattle Insert and inseminate animals about 12 hours after onset of estrus.

Withdrawal Period – Neither a pre-slaughter withdrawal interval nor a milk discard time is required when this product is used according to label directions.

Pharmaceutical Precaution:

Keep out of reach of Children.



Eprinex® Pour-On for Beef and Dairy Cattle

(Eprinomectin)

Active Ingredients – 5mg Eprinomectin / ml

Description:

IVOMECEPRINEX Pour-On delivers highly effective internal and external parasite control in one application. Its broad-spectrum efficacy in a weatherproof formulation, margin of safety, zero slaughter withdrawal and zero milk discard, make it a convenient product for parasite control in beef and dairy cattle, including lactating dairy cattle. Not to be used in calves to be processed for veal.

Use:

IVOMECEPRINEX (eprinomectin) Pour-On is indicated for the treatment and control of gastrointestinal roundworms (including inhibited *Ostertagia ostertagi*), lungworms, grubs, sucking and biting lice, chorioptic and sarcoptic mange mites, and horn flies in beef and dairy cattle of all ages, including lactating dairy cattle.

Varying weather conditions, including rainfall, do not affect the efficacy of IVOMECEPRINEX Pour-On.

Management Considerations for Treatment of External Parasites:

For best results IVOMECEPRINEX Pour-On should be applied to all cattle in the herd. Cattle introduced to the herd later should be treated prior to introduction. Consult your veterinarian or an entomologist for the most effective timing of applications for the control of external parasites.

Chorioptic Mange:

Horn flies: For optimal control of horn flies, as IVOMECEPRINEX Pour-On provides 7 days of persistent activity against horn flies, the product should be used as part of an integrated control program utilizing other control methods to provide extended control.

Directions for use:

The product is formulated only for external application to beef and dairy cattle. The dose rate is 1 mL/10 kg (22 lb) of body weight. The product should be applied topically along the backline in a narrow strip extending from the withers to the tailhead.

Applied at the recommended dose volume of 1 mL/10 kg (22 lb) body weight, to achieve a dose level of 500 mcg eprinomectin/kg body weight, IVOMECEPRINEX Pour-On is indicated for the effective treatment and control of gastrointestinal roundworms, lung worms, grubs, sucking and biting lice,

chiroptic and sarcoptic mange mites, and horn flies in beef and dairy cattle of all ages, including lactating dairy cattle.

Varying weather conditions, including rainfall, do not affect the efficacy of EPRINEX pour on.

Withdrawal Period – When used according to label directions, neither a pre-slaughter drug withdrawal period nor a milk discard time is required, therefore, meat and milk from cattle treated with IVOMEK EPRINEX (eprinomectin) Pour-On may be used for human consumption at any time following treatment.

Do not use in calves intended for veal or unapproved animal species as severe adverse reaction, including fatalities in dogs, may result.

Contraindications:

IVOMEK EPRINEX Pour-On is not recommended for use in species other than cattle. Severe adverse reactions have been reported in other species treated with products containing compounds of this class.

Pharmaceutical Precaution:

Keep this and all drugs out of the reach of children.

NOT FOR USE IN HUMANS

Store bottle or pack in the carton to protect from light and at temperatures up to 86°F/30°C. Storage at temperatures up to 104°F/40°C is permitted for a short period of time, however, such exposure should be minimized.

As with any topical medication intended for treatment of animals, skin contact should be avoided.

If accidental skin contact occurs, wash immediately with soap and water.

If accidental eye exposure occurs, flush eyes immediately with water.

This product is for topical application only. Do not administer orally or by injection.

Do not apply to areas of the backline covered with mud or manure.



ERY Shield®

Active Ingredients –Erysipelothrix Rhusiopathiae Bacterin

Use:

For use in healthy swine as an aid in the prevention of erysipelas caused by Erysipelothrix rhusiopathiae.

Directions for use:

Shake well before using. Administer 2 mL intramuscularly. Repeat in 21 days. Revaccinate annually or as recommended by your veterinarian.

Withdrawal Period – Do not vaccinate within 21 days prior to slaughter.

Pharmaceutical Precaution:

Store out of direct sunlight at 2°-7°C [35°-45°F].

Do not freeze.

Use entire contents when first opened.

Anaphylactic reactions may occur.

Symptomatic treatment: Epinephrine.

For Use In Animals Only.



Euthanyl Forte

Active Ingredients –Pentobarbital Sodium USP
240mg/ml

Use:

For veterinary euthanasia of dogs, cats, horses, cattle, mink, laboratory animals and birds.

Directions for use:

Inject approximately 1 mL/5 kg of body weight and 10 mL per 50 kg of body weight in horses and cattle. Administer to effect by intravenous, intracardiac or intrapulmonary injection. (Intravenous injection is the preferred method).

Euthanyl Forte Caution:

This product must not be used for anesthetic purposes. Euthanised animals should not be used in animal feeds..

Pharmaceutical Precaution:

Keep out of reach of children.
Store at room temperature (15°-30°C).



Equi-Block DT Formula

Active Ingredients – Capsaicin (.025%)

Use:

For temporary relief of minor aches and pain in joints, tendons, muscles, and ligaments due to overexertion, old injury flare-ups, arthritis or related conditions, and other chronic pain conditions.

Directions for use:

Shake well; massage liberal amount into the region of specific pain or injury; circle entire joint where applicable; reapply up to three times daily for up to two weeks; thereafter use once daily or as needed; wear disposable gloves or wash hands thoroughly after each application.

Apply 1 hour before riding or working horse; where swelling is involved, use in conjunction with Equi-Block LT Formula without a wrap or sweat to better manage system fluids; trim hair only when necessary.

Contraindications:

For external use only. For animal use only.

Do not use in conjunction with wrapping or sweating. Do not use under saddle gear.

When using this product, avoid contact with eyes, mucous membranes, open wounds, cuts, abrasions, sensitive areas and rinse eyes with cool water if irritated. Stop use and consult a veterinarian if excessive irritation occurs or if the condition worsens. Stop use and consult a veterinarian if symptoms persist for more than 7 days or clear up and reoccur within a few days.

Keep out of reach of children.

Pharmaceutical Precaution:

Store in a cool, dry place.



Eqvalan® Paste 1.87%

Active Ingredients – (Ivermectin) Paste 1.87%.

Uses

Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism. Eqvalan® (ivermectin) Paste provides effective treatment and control of the following parasites in horses.

Large Strongyles (adults) - *Strongylus vulgaris* (also early forms in blood vessels), *S. edentatus* (also tissue stages),

S. equinus, *Triodontophorus* spp. including *T. brevicauda* and *T. serratus* and *Craterostomum acuticaudatum*;

Small Strongyles (adults, including those resistant to some benzimidazole class compounds) - *Coronocyclus* spp. including *C. coronatus*, *C. labiatus* and *C. labratus*, *Cyathostomum* spp. including *C. catinatum* and *C. pateratum*, *Cylicocyclus* spp. including *C. insigne*, *C. leptostomum*, *C. nassatus* and *C. revicapsulatus*, *Cylicodontophorus* spp., *Cylicostephanus* spp. including *C. calicatus*, *C. goldi*, *C. longibursatus* and *C. minutus*, and *Petrovinema poculatum*;

Small Strongyles - Fourth-stage larvae;

Pinworms (adults and fourth-stage larvae) - *Oxyuris equi*;

Ascarids (adults and third- and fourth-stage larvae) - *Parascaris equorum*;

Hairworms (adults) - *Trichostrongylus axei*;

Large-mouth Stomach Worms - *Habronema muscae*;

Bots (oral and gastric stages) - *Gastrophilus* spp. including *G. intestinalis* and *G. nasalis*;

Lungworms (adults and fourth-stage larvae) - *Dictyocaulus arnfieldi*;

Intestinal Threadworms (adults) - *Strongyloides westeri*;

Summer Sores caused by *Habronema* and *Draschia* spp cutaneous third-stage larvae;

Dermatitis caused by neck threadworm microfilariae, *Onchocerca* sp.

Directions for use:

This syringe contains sufficient paste to treat one 1250 lb horse at the recommended dose rate of 91 mcg ivermectin per lb [200 mcg/kg] body weight. Each weight marking on the syringe plunger delivers enough paste to treat 250 lb body weight. (1) While holding plunger, turn the knurled ring on the plunger 1/4 turn to the left and slide it so the side nearest the barrel is at the prescribed weight marking. (2) Lock the ring in place by making a 1/4 turn to the right. (3) Make sure that the horse's mouth contains no feed. (4) Remove the cover from the tip of the syringe. (5) Insert the syringe tip into the

Eqvalan® Paste 1.87% (continued)

horse's mouth at the space between the teeth. [6] Depress the plunger as far as it will go, depositing paste on the back of the tongue. [7] Immediately raise the horse's head for a few seconds after dosing.

Parasite Control Program

All horses should be included in a regular parasite control program with particular attention being paid to mares, foals and yearlings. Foals should be treated initially at 6 to 8 weeks of age, and routine treatment repeated as appropriate. Consult your veterinarian for a control program to meet your specific needs. EQVALAN (ivermectin) Paste effectively controls gastrointestinal nematodes and bots of horses. Regular treatment will reduce the chances of verminous arteritis caused by *Strongylus vulgaris*.

Broad-spectrum Control - EQVALAN Paste kills important internal parasites, including bots and the arterial stages of *S. vulgaris*, with a single dose. EQVALAN Paste is a potent antiparasitic agent that is neither a benzimidazole nor an organophosphate.

Pharmaceutical Precaution

Not for use in humans. Keep this and all drugs out of reach of children. Refrain from smoking and eating when handling. Wash hands after use. Avoid contact with eyes.

Store at 68° F - 77° F (20-25° C). Excursions between 59° F - 86° F (15-30° C) are permitted.

Swelling and itching reactions after treatment with EQVALAN (ivermectin) Paste have occurred in horses carrying heavy infections of neck threadworm (*Onchocerca sp. microfilariae*).

These reactions were most likely the result of microfilariae dying in large numbers. Symptomatic treatment may be advisable. Consult your veterinarian should any such reactions occur. Healing of summer sores involving extensive tissue changes may require other appropriate therapy in conjunction with treatment with EQVALAN (ivermectin) Paste.

Consult your veterinarian if the condition does not improve.





Ferrum 10% + B12

Active Ingredients

Iron (III) hydroxide dextran complex equal to iron (III) ions	330 mg 100 mg
Vitamin B 12 (cyanocobalamin)	1.5 µg

Use:

Prevention and treatment of iron deficiency anaemias in piglets, calves, young born animals and pets. Anaemia due to parasites and after extensive loss of blood.

Directions for use:

Piglet	1-2 ml (between 2nd and 4th day of life)
Calf, foal	4-6 ml (In the first two weeks of life)
Lamb	2ml (24 hours after birth)
Sow	4-6 ml (14 days prior to delivery)
Cattle, horse	4-8 ml
Sheep, goat	2-3 ml
Pet	0.5-2 ml

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store at a cool place below 25°C

Protect from Light

Keep out of Sight and reach of Children.



Fiebing's Glycerine Saddle Soap

Active Ingredients – Glycerine

Use:

To preserve, restore and clean leather articles including fine saddlery and riding boots.

Directions for use:

Rub a damp sponge over Fiebing's Saddle Soap Bar and apply it evenly to the leather. Let the glycerine soap penetrate the leather until surface is dry. Buff briskly with a soft cloth for a lustrous finish.

Pharmaceutical Precaution: Store in cool dry place



Fiebing's Saddle Soap

Active Ingredients – Soap

Use:

Cleans leather and lubricates the fibres to prevent brittleness and therefore maintains suppleness and strength. Can be used on belts, saddles, shoes, luggage, handbags, holsters, sports gear, leather furniture.

Directions for use:

Dampen cloth or sponge. Rub lightly over soap to produce lather. Then apply to leather surface. When dry, polish with soft cloth for light lustre.

Pharmaceutical Precaution: Store in cool dry place



Protektor – Fipronil Spray 0.25%

Active Ingredients – Fipronil .25g

Use:

For the treatment and prevention of tick and flea infestation on dogs and cats.

Directions for use:

Spray the entire body of the animal, and apply from a distance of approximately 10-20cm. Apply against the lay of the hair and make sure that the entire coat of the animal is wetted. Ruffle the coat, especially in long haired animals, so that the product penetrates down to the skin. Allow to dry naturally. Do not towel dry.

In order to wet the coat down to the skin, depending on the length of the hair, it is recommended that a minimum 3ml per kg body mass (7.5mg of active material per kg body mass) to short haired animals and 6ml per kg body mass (15 mg of active material per kg body mass) to long haired animals be applied.

Pharmaceutical Precaution:

Protektor spray has a residual effect of 1 month (3-5 weeks) against ticks and 2 months (1-3 months) against fleas, depending on the parasite challenge in the animal's environment. Protektor Spray may be used on pregnant and lactating female Dogs/Cats and on unweaned puppies/kittens.

Keep out of reach of children.

Store in a cool dry place.

Fish Oil (Lamp Oil)

**Use:**

A blend of specially selected fish oils as a dietary supplement for animals.

Livestock animals: It improves animal health. It is a natural ingredient of high nutritional value, and its use in livestock feeds can offer cost-effective production, optimizing health and meat quality in the final product.

For dogs/pets: Helps to ensure a healthy coat; strong bones and teeth as well as to improve feed palatability.

Directions for use:

5-10 ml daily with food as directed.

Pharmaceutical Precaution:

Store above 20°C.



Formula 1 Plus

Active Ingredients – Vitamin A, D3, E, K, B1, B2, B6, B12, nicotinic acid, pantothenic acid, folic acid, biotin, sodium chloride, sodium sulphate, potassium chloride, zinc sulphate, manganese sulphate, lysine HCL, methionine DL.

Use:

Formula 1 Plus is recommended for strategic use in poultry during periods of reduced intake or increased physiological requirements for vitamins, trace elements or amino acids. It is of particular use during and after management, disease or environmentally related stress to help maintain performance and aid recovery, and for conditions which disturb the gastrointestinal and micro flora.

Directions for use:

For oral administration, 1g per 2 litres of drinking water for 5-6 consecutive days or half teaspoonful per gallon of water for 5- 6 days.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool, dry place.



Frontline® Plus for Cats & Kittens

Description:

FOR CATS & KITTENS 8 weeks or older. Convenient spot treatment for fast-acting, long-lasting control of fleas, ticks and chewing lice.

Active Ingredients

fipronil:	9.8%
(S)-methoprene	11.8%
INERT INGREDIENTS	78.4%
TOTAL	100.0%

Use:

FRONTLINE® PLUS FOR CATS provides fast, effective and convenient treatment and control of fleas, ticks and chewing lice for cats and kittens.

- Stops and prevents infestations
- Kills adult fleas, flea eggs, and flea larvae
- Prevents all flea stages (eggs, larvae, pupae) from developing
- Kills fleas which may cause flea allergy dermatitis
- Kills all stages of deer ticks (which may carry Lyme disease), brown dog ticks, American dog ticks, and lone star ticks
- Prevents and controls infestations
- Rapidly eliminates infestations with chewing lice
- Can also be used on breeding, pregnant and lactating queens
- Fast-acting
- Long-lasting
- Waterproof
- Convenient to use

FRONTLINE® PLUS FOR CATS contains fipronil and the insect growth regulator (IGR) (S)-methoprene. FRONTLINE® PLUS effectively targets all stages of fleas. Fipronil collects in the oils of the skin and hair follicles, and continues to be released from hair follicles onto the skin and coat, resulting in long-lasting activity against fleas, ticks and chewing lice.

Directions for use:

To kill fleas, and all stages of brown dog ticks, American dog ticks, lone star ticks, and deer ticks (which may carry Lyme disease) and chewing lice, apply to cats and kittens (8 weeks or older) as follows: Remove applicator from child-resistant package. Hold applicator upright and snap applicator tip away from face and body. Place applicator tip through animal's hair to the skin level between the shoulder blades. Squeeze applicator, applying entire contents in a single spot to the animal's skin. Avoid superficial application to the animal's hair. Only one applicator per treatment is needed.

FRONTLINE PLUS FOR CATS can also be used for the treatment and control of flea, tick and chewing lice infestations on breeding, pregnant and lactating queens.

Frequency of application:

When used monthly, FRONTLINE® PLUS FOR CATS completely breaks the flea life cycle and controls tick and chewing lice infestations. Research demonstrates that FRONTLINE® PLUS kills adult fleas, flea eggs, and flea larvae for up to six weeks. FRONTLINE® PLUS also prevents development of all flea stages for up to six weeks. FRONTLINE® PLUS kills ticks for at least one month. A once monthly application is recommended where tick control is needed. Although FRONTLINE® PLUS can control fleas for up to six weeks, if there is a high risk of reinfestation or if the pet has fleas which may cause flea allergy dermatitis, a once monthly application may be needed.

FRONTLINE® PLUS FOR CATS remains effective even after bathing, water immersion, or exposure to sunlight. Avoid contact with treated area until dry. Do not reapply FRONTLINE® PLUS for 30 days.

Do not contaminate water, food, or feed by storage and disposal.

Pharmaceutical Precaution:

Store unused product in original container only.

Keep out of reach of children and animals.

Keep in a cool, dry place.



Frontline® Plus for Dogs & Puppies

Description:

FOR DOGS & PUPPIES 8 weeks or older. Convenient spot treatment for fast-acting, long-lasting control of fleas, ticks and chewing lice.

Active Ingredients

fipronil:	9.8%
(S)-methoprene	8.8%
INERT INGREDIENTS	81.4%
TOTAL	100.0%

Use:

FRONTLINE® PLUS FOR DOGS provides fast, effective and convenient treatment and control of fleas, ticks and chewing lice for dogs and puppies.

- Stops and prevents infestations
- Kills adult fleas, flea eggs, and flea larvae
- Prevents all flea stages (eggs, larvae, pupae) from developing
- Kills fleas which may cause flea allergy dermatitis
- Kills all stages of deer ticks (which may carry Lyme disease), brown dog ticks, American dog ticks, and lone star ticks
- Prevents and controls reinfestations
- Rapidly eliminates infestations with chewing lice
- Aids in control of sarcoptic mange infestations
- Can also be used on breeding, pregnant and lactating bitches
- Fast-acting
- Long-lasting
- Waterproof
- Convenient to use

FRONTLINE® PLUS FOR DOGS contains fipronil and the insect growth regulator (IGR) (S)-methoprene. FRONTLINE® PLUS effectively targets all stages of fleas. Fipronil collects in the oils of the skin and hair follicles, and continues to be released from hair follicles onto the skin and coat, resulting in long-lasting activity against fleas, ticks and chewing lice.

Directions for use:

Apply to dogs or puppies (8 weeks or older) as follows:

Remove applicator from child-resistant package. Hold applicator upright and snap applicator tip away from face and body. Place applicator tip through animal's hair to the skin level between the shoulder blades. Squeeze applicator, applying entire contents in a single spot to the animal's skin. Avoid superficial application to the animal's hair. Only one applicator per treatment is needed.

FRONTLINE® PLUS aids in the control of sarcoptic mange infestations. Multiple monthly treatments are recommended for the elimination of mites. FRONTLINE® PLUS FOR DOGS can also be used for the treatment and control of flea, tick and chewing lice infestations on breeding, pregnant and lactating bitches.

Frequency of application:

When used monthly, FRONTLINE® PLUS FOR DOGS completely breaks the flea life cycle and controls tick and chewing lice infestations. Research demonstrates that FRONTLINE® PLUS kills adult fleas, flea eggs, and flea larvae for up to three months. FRONTLINE® PLUS also prevents development of all flea stages for up to three months. Although FRONTLINE® PLUS can control fleas for up to three months, if there is a high risk of reinfestation or if the pet has fleas which may cause flea allergy dermatitis, a once monthly application may be needed. FRONTLINE® PLUS kills ticks for at least one month. A once monthly application is recommended where tick control is needed. FRONTLINE® PLUS kills chewing lice for at least one month. A once monthly application is recommended where chewing lice control is needed. FRONTLINE® PLUS FOR DOGS remains effective even after bathing, water immersion, or exposure to sunlight. Avoid contact with treated area until dry. Do not reapply FRONTLINE® PLUS for 30 days.

Pharmaceutical Precaution:

Harmful if swallowed. Causes eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Do not allow children to apply product. For external use only. Do not use on puppies under 8 weeks of age. Individual sensitivities, while rare, may occur after using any pesticide product. Do not contaminate water, food, or feed by storage and disposal.

Store unused product in original container only, out of reach of children and animals.

Keep out of reach of children.



Frontline® Spray Treatment for Dogs & Cats

Description:

Fast-acting, long-lasting, waterproof treatment and control of fleas, ticks and chewing lice for Dogs, Puppies, Cats and Kittens.

Active Ingredients

Fipronil: 0.29%

Use:

FRONTLINE® Spray provides fast-acting, long-lasting, waterproof treatment and control of fleas, ticks and chewing lice for adult dogs and cats and for puppies and kittens 8 weeks of age or older.

Fleas

- Kills fleas
- Kills newly emerged adult fleas before they lay eggs
- Stops existing infestations and prevents establishment of new infestations
- Kills fleas which may cause flea allergy dermatitis

Lice

- Rapidly eliminates chewing lice infestations

Mites

- Aids in control of sarcoptic mange infestations in dogs

Ticks

- Kills all life stages of ticks (larva, nymph and adult), including brown dog ticks (*Rhipicephalus sanguineus*), American dog ticks (*Dermacentor variabilis*), lone star ticks (*Amblyomma americanum*) and deer ticks (*Ixodes scapularis*).
- Kills ticks that may transmit Lyme disease, Rocky Mountain spotted fever, ehrlichiosis, babesiosis, anaplasmosis, haemobartonellosis and other tick-borne diseases

FRONTLINE Spray stops existing infestations and prevents establishment of new infestations by killing fleas, ticks, and chewing lice for at least 30 days.

FRONTLINE Spray may protect dogs against fleas for up to 90 days.

Directions for Use for Frontline® Applicator:

Apply to dogs or puppies (8 weeks or older) as follows:

Remove applicator from child-resistant package. Hold applicator upright and snap applicator tip away from face and body. Place applicator tip through

the hair, at the base of the neck directly against the skin, and squeeze out all contents in a single spot to the animal's skin. Avoid superficial application to the animal's hair. Only one applicator per treatment is needed.

FRONTLINE® PLUS aids in the control of sarcoptic mange infestations. Multiple monthly treatments are recommended for the elimination of mites.

FRONTLINE® PLUS FOR DOGS can also be used for the treatment and control of flea, tick and chewing lice infestations on breeding, pregnant and lactating bitches.

Directions for Use for Frontline® Spray:

To kill fleas and all stages of brown dog ticks, American dog ticks, lone star ticks, deer ticks (which may transmit Lyme disease) and chewing lice, apply FRONTLINE® Spray to dogs, cats, puppies or kittens as follows:

To Open: Push the button on top of the trigger and turn the nozzle to the spray position.

To Close: Push the button on top of the spray and turn the nozzle to the X position.



1: Wear household latex gloves.

2: Hold bottle in upright position. Ruffle the animal's coat with one hand while applying spray mist to the animal's back, sides, abdomen, legs, shoulders and neck.

3: For head and eye area, spray FRONTLINE on a gloved hand and rub gently into animal's hair.

Do not get this product in your pet's eyes or mouth. Apply spray mist until animal's hair is damp to thoroughly wet. Approximately 1 to 2 pumps per pound of the animal's body weight will be required. Pets with long or dense coats will require the higher rate.

As with any flea control product, wash hands and exposed skin thoroughly with soap and water after use.

To prevent flea build-up or reinfestation, use FRONTLINE Spray prior to the onset of flea season and monthly thereafter. Ticks do not need to receive spray directly upon their body for complete control. Multiple monthly treatments are recommended for the elimination of mites. Do not reapply spray for 30 days. FRONTLINE Spray remains effective even after bathing, water immersion, or exposure to sunlight.

Frontline® Spray Treatment for Dogs & Cats (continued)

Pharmaceutical Precaution:

Harmful if swallowed or absorbed through the skin. May cause severe eye irritation. Avoid breathing spray. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Persons applying this product must wear household latex gloves.

For external use only. May cause severe eye irritation. Take care not to spray in the animal's eyes or facial area. Do not use on kittens and puppies under 8 weeks. Individual sensitivities, while rare, may occur after using any pesticide product for pets. If signs persist, or become more severe, consult a veterinarian immediately. Certain medications can interact with pesticides. Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Keep away from heat and open flame.

Do not contaminate water, food, or feed by storage and disposal.

Store unused product in original container only, out of reach of children and animals.

Keep out of reach of children.





Gaseous Fluid

Active Ingredients – Dimethyl polysiloaxane, isopropanol, turpentine oil.

Use:

For colic in animals: tympanic colic, gastric disorders and other digestive ailments in horses, cattle, goats, pigs and other farm animals.

Directions for use:

Horse, cow, mule: 1 bottle. Hold the animal's head up and pour contents slowly into side of mouth.

Colt, heifer: ½ bottle.

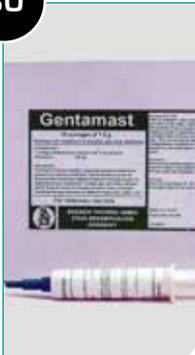
Foal, calf, goat, pig: ¼ bottle.

Lamb, kid, piglet: 2 tsps.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool, dry place.



Gentamast

Active Ingredients – Gentamicin Sulphate = 170 mg (equivalent to gentamicin 100mg).

Uses –

Drug of choice for therapy resistant cases of Staphylococcus and Coli mastitis. Treatment severe mastitis in cattle, especially caused by aerobic gram-negative bacteria [E.Coli, Klebsiella Proteus, Pseudomonas

spp. and gram positive Staph. Aureus.

Directions for use:

Gentamast is for use in dry cows only. Infuse each quarter at the time of drying off with a single 10 syringe. Use no later than 30 days prior to calving.

Completely milk out all four quarters. The udder and teats should be thoroughly washed with warm water containing a suitable dairy antiseptic and dried, preferably using individual paper towels. Carefully scrub the teat end and orifice with 70% alcohol, using a separate swab for each teat. Allow to dry.

For partial insertion: Twist off upper portion of the Opti-Sert Protective Cap to expose 3-4 mm of the syringe tip.

For full insertion: Remove protective cap to expose the full length of the syringe tip.

Insert syringe tip into the teat canal and expel the entire contents of syringe into the quarter. Withdraw the syringe and gently massage the quarter to distribute the medication.

Do not infuse contents of the mastitis syringe into the teat canal if the Opti-Sert Protective Cap is broken or damaged.

Withdrawal Period – Milk from the treated quarters must not be used for human consumption for at least 48 hours after last treatment.

Pharmaceutical Precaution:

Store in cool place [15°C to 25°C].

Protect from light.

Keep out of reach of Children.



Gentamicin 5% injection

Active Ingredients – Composition: 1 ml solution contains:

Gentamicin Sulphate	85 mg
(Equal to gentamicin	50 mg) .

Indications: Treatment of severe life-threatening infections caused by gentamicin-sensitive bacteria.

Cattle: Infections of the urogenital tract.

Calf: Infections of the respiratory and gastrointestinal tract (E.Coli and Salmonella enteritis), Septicaemia, arthritis

Horse, foal: Infection of the respiratory tract.

Pig: Infections of the respiratory tract, enzootic pneumonia, mastitis- mentritis-agalctia (MMA) syndrome, infections with E.Coli.

Dog cat: Infection of the respiratory, gastrointestinal, urogenital and auditory tract.

Dosage and Uses:

By intramuscular, sub cutaneous or slow intravenous injection

Cattle, horse: 8 ml/ 100 kg b.w

Calf, foal: 4 ml/ 50 kg b.w

Pig: 4 ml / 50 kg b.w

Dog, cat: 0.5 ml/ 6 kg b.w

Pharmaceutical Precaution:

Store in cool place (15°C to 25°C).

Protect from light.

Keep out of reach of Children.



Ginger in Magnesium Trisilicate Mixture

Active Ingredients – Magnesium trisil Bp, magnesium carb light Bp, sodium bicarbonate Bp, ginger powder, alcohol, purified water.

Use:

For relief of colic, nausea, vomiting, discomfort due to indigestion, ulcers.

Directions for use:

Large (Horse):

>500 lb-(250 kg)

120 ml or 8 tablespoons twice daily

Medium

<500 lb-(250kg)

60 ml or 4 tablespoons twice daily

Small

<100 lb-(50 kg)

10-15ml or 2-3 teaspoons twice daily.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool, dry place.

Grow Colt



Active Ingredients – Grain products, monocalcium phosphate, wheat middlings, calcium carbonate, dehydrated alfalfa meal, vegetable oil, magnesium sulfate, potassium chloride, choline chloride, cane molasses, sodium chloride, ferrous sulfate, manganese sulfate, propionic acid (as preservative), sodium selenite, para-aminobenzoic acid, niacin supplement, vitamin B12 supplement, vitamin A supplement, riboflavin supplement, calcium pantothenate, ethylenediamine dihydriodide,

thiamin mononitrate, pyridoxine hydrochloride, copper sulfate, zinc sulfate, folic acid, cobalt carbonate, ascorbic acid, biotin.

Uses –

Grow Colt aids in growth and development under appropriate conditions of use. Grow Colt provides 27 important vitamin and mineral nutrients. Prepared specifically for colts in their first year of development.

Directions for use:

Enclosed scoop holds one ounce. To aid in maximum growth and development, add 2 ounces of Grow Colt to daily ration for each foal. Continue feeding daily throughout the foal's first year of development. Provides 27 important vitamin and mineral nutrients.

Feeding before weaning:

To avoid setbacks resulting from weaning and to speed early development, the foal should be given some supplementary feed while still nursing the mare. Usually the foal can start eating small amounts of feed when he is two to three weeks old. Creep feeding - in which the newborn foal can feed on grain and hay separately from the mare - is highly recommended.

Feeding before weaning:

Foals are usually weaned at four to six months of age. At weaning, separate the foal from the mare and feed him 1 to 1 1/2 lbs of hay per 100 lbs of body weight. Also feed 2 ounces of Grow Colt daily. The weaning period is the most critical time for feeding the growth supplement. Similarly, the grain ration is quite critical.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool, dry place.



Heartgard® Plus Chewable

Active Ingredients

(Ivermectin/pyrantel)

Description:

For use in dogs to prevent canine heartworm disease by eliminating the tissue stage of heartworm larvae (*Dirofilaria immitis*) for a month (30 days) after infection and for the treatment and control of ascarids (*Toxocara canis*, *Toxascaris leonina*) and hookworms (*Ancylostoma caninum*, *Uncinaria stenocephala*, *Ancylostoma braziliense*).

Directions for use:

HEARTGARD® Plus should be administered orally at monthly intervals at the recommended minimum dose level of 6 mcg of ivermectin per kilogram (2.72 mcg/lb) and 5 mg of pyrantel (as pamoate salt) per kg (2.27 mg/lb) of body weight. The recommended dosing schedule for prevention of canine heartworm disease and for the treatment and control of ascarids and hookworms is as follows:

Dog Weight	Chewables Per Month	Ivermectin Content	Pyrantel Content	Color Coding on Foil Backing and Carton
Up to 25 lb	1	68 mcg	57 mg	Blue
26 to 50 lb	1	136 mcg	114 mg	Green
51 to 100 lb	1	272 mcg	227 mg	Brown

HEARTGARD Plus is recommended for dogs 8 weeks of age and older. For dogs over 100 lb use the appropriate combination of these chewables. Remove only one chewable at a time from the foil-backed blister card. Return the card with the remaining chewables to its box to protect the product from light. Because most dogs find HEARTGARD Plus palatable, the product can be offered to the dog by hand. Alternatively, it may be added intact to a small amount of dog food. The chewable should be administered in a manner that encourages the dog to chew, rather than to swallow without chewing. Chewables may be broken into pieces and fed to dogs that normally swallow treats whole.

Care should be taken that the dog consumes the complete dose, and treated animals should be observed for a few minutes after administration to ensure that part of the dose is not lost or rejected. If it is suspected that any of the dose has been lost, redosing is recommended.

HEARTGARD Plus should be given at monthly intervals during the period of the year when mosquitoes (vectors), potentially carrying infective heartworm larvae, are active. The initial dose must be given within a month (30 days) after the dog's first exposure to mosquitoes. The final dose must be given within a month (30 days) after the dog's last exposure to mosquitoes.

HEARTGARD Plus and resumption of the recommended dosing regimen minimizes the opportunity for the development of adult heartworms.

Monthly treatment with HEARTGARD Plus also provides effective treatment and control of ascarids (*T. canis*, *T. leonina*) and hookworms (*A. caninum*, *U. stenocephala*, *A. braziliense*). Clients should be advised of measures to be taken to prevent reinfection with intestinal parasites.

Pharmaceutical Precaution:

All dogs should be tested for existing heartworm infection before starting treatment with HEARTGARD Plus which is not effective against adult *D. immitis*. Infected dogs must be treated to remove adult heartworms and microfilariae before initiating a program with HEARTGARD Plus.

While some microfilariae may be killed by the ivermectin in HEARTGARD Plus at the recommended dose level, HEARTGARD Plus is not effective for microfilariae clearance.

A mild hypersensitivity-type reaction, presumably due to dead or dying microfilariae and particularly involving a transient diarrhea, has been observed in clinical trials with ivermectin alone after treatment of some dogs that have circulating microfilariae.

Keep this and all drugs out of the reach of children.

In case of ingestion by humans clients should be advised to contact a physician immediately.

Store between 68°F - 77°F (20° - 25°C).

Excursions between 59°F - 86°F (15° - 30°C) are permitted.

Protect product from light.



Hemo-15, Sterile Injection

Active Ingredients

Active Ingredients	Per Ml
Vitamin B12	150 mcg
Ammonium ferric citrate	15 mg
Riboflavin 5-phosphate sodium	10 mg
Pyridoxine HCl	10 mg
Niacinamide	100 mg
d-panthenol	15 mg
Cobalt gluconate	0.7 mg
Copper gluconate	0.2 mg
Choline chloride	10 mg
Biotin	10 mcg
Inositol	10 mg
dl-methionine	20 mg
L-Lysine HCl	20 mg
Glycine	20 mg

Uses -

Hemo-15 Is A Vitamin, Amino Acid And Micro mineral Injectable Preparation For The Prevention And/or Treatment Of Vitamin And Mineral Deficiencies In Horses And Other Large Animals (cattle And Swine).

Directions for use:

By intravenous or intramuscular injection.

Horses, Cattle And Swine:

1 mL per 45 kg of body weight per day, every second day for one week to 10 days (4 to 5 administrations).

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store between 15 ° and 25 °C and protect from freezing.



Hemoplex Recovery

Active Ingredients – Vitamins A, D3, E, B1, B12, B6, K, niacin, folic acid, biotin, pantothenic acid, minerals: iron, zinc, copper, manganese, cobalt, magnesium.

Use:

Extremely good source of vitamins and minerals for cattle, swine and poultry. Assists greatly in weight gain and feed conversion.

Directions for use:

Use one (1) teaspoon (5 ml) to four (4) gallon (15L) water. Treat 3-4 days weekly.

Withdrawal Period – No withdrawal period observed.

Pharmaceutical Precaution:

Store in a cool, dry place. Keep away from children.



Hexasol LA Solution for Injection for Cattle

Active Ingredients

Oxytetracycline as Oxytetracycline Dihydrate 300mg/ml

Flunixin, as Flunixin Meglumine 20mg/ml

Sodium Formaldehyde Sulphoxylate is also included as a chemical preservative.

Use:

Oxytetracycline is a member of the tetracycline family of broad-spectrum antibiotics that inhibit protein synthesis in susceptible microorganisms. Flunixin meglumine is a relatively potent non-narcotic, nonsteroidal analgesic with anti-inflammatory, anti-endotoxic and anti-pyretic properties. Hexasol LA is specifically formulated to provide initial anti-inflammatory activity for 24-36 hours and sustained antibacterial activity for 5-6 days following a single administration. Hexasol LA is indicated primarily for the treatment of bovine respiratory disease associated with Mannheimia haemolytica, where an anti-inflammatory and anti-pyretic effect is required.

In addition a wide range of organisms including Pasteurella spp, Arcanobacterium pyogenes, Staphylococcus aureus and certain mycoplasmas are known to be sensitive in vitro to oxytetracycline. Hexasol LA may, therefore, be of use in the treatment of disease in cattle caused by such organisms where both anti-inflammatory and anti-pyretic effect is required.

Directions for use:

For deep intramuscular injection to cattle. The recommended dosage is 1ml per 10kg bodyweight (equivalent to 30mg/kg oxytetracycline and 2mg/kg flunixin) on a single occasion.

Maximum volume per injection site: 15ml. If concurrent treatment is administered, use a separate injection site.

Withdrawal Period – Animals must not be slaughtered for human consumption during treatment. Cattle may be slaughtered for human consumption only after 35 days from the last treatment. Not for use in cattle producing milk for human consumption.

Pharmaceutical Precaution:

Do not administer other NSAIDs concurrently or within 24 hours of each other. Concurrent use of potentially nephrotoxic drugs should be avoided.

Do not exceed the stated dose or duration of treatment.

Store upright only. Keep the container in the outer carton.

Do not store above 25°C.

Following withdrawal of the first dose, use the product within 28 days.



ICETIGHT 24 hour Poultrice (11.34kg)

Active Ingredients – Kaolin 50.0%, Boric Acid 2.0%.

Use:

Topical poultice for use on horse's knees, tendons and ankles.

Use after every workout or race.

Directions for use:

Clean all medication, chemicals and foreign matter from the area to be treated. Apply a layer of ICETIGHT® 24-Hour Poultrice up to 1/4 inch thick over the area to be treated. Wrap the preparation with plastic or moist brown paper. Cover with cotton bandage. ICETIGHT® 24-Hour Poultrice is easily removed with water.

Pharmaceutical Precaution:

Due to varying temperature changes and the high moisture content of ICETIGHT® 24-Hour Poultrice, occasional liquid may accumulate on the surface. This in no way affects the quality of the product. Use this liquid as a starter to moisturize the horse's leg or pour it off.



Imizol®

Active Ingredients

(IMIDOCARB DIPROPIONATE)

IMIZOL (Imidocarb Dipropionate) is a sterile solution containing 120 mg/mL of imidocarb dipropionate suitable for intramuscular or subcutaneous administration.

Use:

For the treatment of dogs with clinical signs of babesiosis and/or demonstrated Babesia organisms in the blood.

Directions for use:

Use intramuscularly or subcutaneously at a rate of 6.6 mg/kg (3 mg/lb) body weight. Repeat the dose in two (2) weeks, for a total of two (2) treatments.

IMIZOL® DOSING GUIDE 6.6 mg/kg Body Weight

Pharmaceutical Precaution:

MUST NOT BE ADMINISTERED INTRAVENOUSLY.

Animal Weight	IMIZOL Dosage
10 lb (4.5 kg)	0.25 mL
20 lb (9.1 kg)	0.50 mL
30 lb (13.6 kg)	0.75 mL
40 lb (18.2 kg)	1.00 mL
60 lb (27.3 kg)	1.50 mL
80 lb (36.4 kg)	2.00 mL
100 lb (45.5 kg)	2.50 mL

The safety and effectiveness of imidocarb have not been determined in puppies or in breeding, lactating, or pregnant animals. Risk versus benefit should be considered before using this drug in dogs with impaired lung, liver, or kidney function.

Do not use this product simultaneously with exposure to cholinesterase-inhibiting drugs, pesticides, or chemicals.

Pharmaceutical Precaution:

Not for human use.

Keep this and all drugs out of the

reach of children.

Store between 2° and 25°C (36° and 77°F).

Protect from light.



Immiticide

Active Ingredients – IMMITICIDE Sterile Powder contains 50.0 mg melarsomine dihydrochloride and 33.75 mg glycine USP.

1 vial: when reconstituted with 2 mL of sterile water for injection (provided) contains 25 mg/mL of active ingredient.

Uses –

Canine Heartworm Treatment.

IMMITICIDE Sterile Powder is indicated for the treatment of stabilized Class 1a, 2b, and 3c heartworm disease caused by immature (4 month-old, stage L5) to mature adult infections of *Dirofilaria immitis* in dogs.

Heartworm Disease Classification: The following parameters were used to classify the dogs in the clinical field trials for IMMITICIDE. Other parameters may be considered. As a general rule, conservative treatment should be employed since heartworm disease is serious and potentially fatal. If there is evidence of a high worm burden, patients should be categorized as Class 3.

a Class 1: Patients in this category are characterized as having asymptomatic to mild heartworm disease.

b Class 2: Patients in this category are characterized as having moderate heartworm disease. Radiographic signs or signs of anemia

c Class 3: Patients in this category are characterized as having severe heartworm disease. These patients have a guarded prognosis. Subjective signs of disease may include cardiac cachexia (wasting), constant fatigue, persistent cough, dyspnea, or other signs associated with right heart failure such as ascites and/or jugular pulse.

Directions for use:

IMMITICIDE should be administered **ONLY** by deep intramuscular injection in the epaxial (lumbar) muscles in the third through fifth lumbar region. **DO NOT ADMINISTER AT ANY OTHER SITE.** Avoid superficial injection or leakage. Use a 23 gauge 1 inch needle for dogs equal to or less than 10 kg (22 lb) in weight. Use a 22 gauge 1 1/2 inch needle for dogs greater than 10 kg (22 lb). Use alternating sides with each administration. If repeated administrations are warranted, avoid injecting at the same lumbar location. Record the location of the first injection(s) in the patient's medical record for future reference.

Immiticide (continued)

WEIGHT (LB)	WEIGHT (KG)	VOLUME PER INJECTION
2.2	1	0.1
4.4	2	0.2
6.6	3	0.3
8.8	4	0.4
11.0	5	0.5
13.2	6	0.6
15.4	7	0.7
17.6	8	0.8
19.8	9	0.9
22.0	10	1.0
44.0	20	2.0
66.0	30	3.0
88.0	40	4.0
110.0	50	5.0*

Pharmaceutical Precaution

All dogs with heartworm disease are at risk for post-treatment pulmonary thromboembolism (death of worms which may result in fever, weakness, and coughing), though dogs with severe pulmonary arterial disease have an increased risk and may exhibit more severe signs (dyspnea, hemoptysis, right heart failure and possibly death). Dogs should be restricted from light to heavy exercise post-treatment depending on the severity of their heartworm disease. Keep out of reach of children.

Store in a cool dry place.



Intravit 12 Solution for Injection 0.05% w/v

Active Ingredients – Cyanocobalamin

Uses –

Cyanocobalamin (Vitamin B12) is essential for the synthesis of nucleic acids. Consequently it plays an essential role in cell metabolism and the maintenance of metabolic functions including haemopoiesis.

Directions for use:

By intramuscular or subcutaneous injection, once or twice a week. Normal aseptic precautions should be observed. Ensure that suitable equipment is used when administering small dose volumes.

Cattle, Horses: 2–5ml

Calves, Foals: 1–3ml

Sheep and Pigs: 0.5–1.5ml

Withdrawal Period for meat/milk – No withdrawal period observed.

Pharmaceutical Precaution

Following withdrawal of the first dose, use the product within 28 days. Wash hands after use.

No known contraindications.

Care should be taken to avoid accidental self-injection or ingestion. In case of accidental self-injection, seek medical advice as a precautionary measure.

Following skin/eye contamination, wash/irrigate area thoroughly with cold water. Seek medical attention if irritation persists. Wash hands after use.

Following withdrawal of the first dose, use the product within 28 days. Wash hands after use.



Iodine Wound Spray (Topical Antiseptic)

Active Ingredients – Alpha [p-Nonylphenyl] Omega-Hydroxopoly (Oxyethylene) Iodine Complex (providing 1% Titratable Iodine) 5%.

Uses –

A topical antiseptic for use on horses, cattle, swine and sheep prior to surgical procedures such as castrating and docking, for application to the navel of newborn animals; and for aid in the treatment of minor cuts, bruises and abrasions.

Directions for use:

Hold container approximately 4 to 6 inches from the area to be treated. Point valve at the area to be sprayed. Pull trigger of valve and spray area once lightly. May be repeated daily, when necessary, until abraded area is healed.

Withdrawal Period – No withdrawal period. However, when used on or near the teats or udders of dairy animals, the teats and udders should be thoroughly washed before the next milking to prevent contamination of milk.

Contraindication

If redness, irritation or swelling persists or increases, discontinue use and consult a veterinarian. Not for use on burns or in body cavities or deep wounds.

Storage:

Store between 10° - 30°C (50°-86°F)

Pharmaceutical Precaution

Harmful if swallowed

Do not apply to the eyes, mucous membranes or large areas of the abraded skin.

Avoid inhalation of mist

Keep Tightly Closed

For External Use Only

Keep out of reach of children



Iodized Stock Salt

Active Ingredients

Sodium Chloride NaCl 95.0% (minimum) Sulphur S 3.0%

Use:

Iodized stock salt is the most common of all mineralized salts. Use this salt to help increase metabolism and improve fertility. Symptoms of deficiency include decreased birth rates, early embryonic mortality, weak calves, retained placenta, sluggishness, goiters and sensitivity to heat and cold. Ensure that average daily roughage meets required levels for all applicable animals.

Directions for use:

Feed this supplement free-choice to cattle, horses, goats, sheep, and swine.

Pharmaceutical Precaution:

Provide an adequate supply of fresh water for all animals at all times.

Keep out of reach of children.

Store in a cool dry place.



Ironol 100 Sterile Injectable

Active Ingredients – Ironol

Uses –

Ironol 100 is the product of choice for the prevention and treatment of iron deficiency in baby pigs because of its nearly 100% absorption. Treated piglets will show faster weight increase and they will also be more resistant to infections such as pneumonia, enteritis and diarrhea. One injection yields a hemoglobin response comparable to that produced by three weekly oral iron treatments.

Directions for use:

Injection should be intramuscular into the back of the ham leg. Disinfect rubber stopper of vial as well as injection site. Use small needle (18-20 x 1.25cm) that has been sterilized (boiled in water for 20 minutes). Pick up the skin with the thumb and forefinger and pull slightly to form a pouch; inject into this pouch to a depth of 1 cm. A clean sterile needle should be used for each pig to avoid spreading infection.

Treatment:

1 to 2ml when 5 to 28 days old, if indicated.

Withdrawal Period:

No withdrawal period.

Prevention:

1 ml at the age of 2 to 5 days. May be repeated when 2 weeks old.

If deficiency symptoms persist, consult a veterinarian or a nutritionist.

Pharmaceutical Precaution:

Protect from direct Sunlight.

Store below 25°C.

Keep out of reach of children.



Ivocip Drench 0.08%

Active Ingredients

Ivermectin

Use:

Highly effective for the treatment and control of mixed infections of gastrointestinal roundworms including benzimidazole-resistant strains of *Haemonchus contortus*, *Ostertagia circumcincta* & *Trichostrongylus colubriformis*. Ivocip is also effective against all larval stages of nasal bot and lung worm.

Directions for use:

Ivocip is administered orally using any standard drenching equipment or any equipment which provides a consistent dose volume. Dose rates and equipment should be checked before drenching commences.

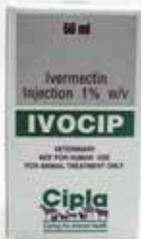
Weight Range kg	Dose volume ml	Doses per pack
Up to 10	2.5	400
11-20	5.0	200
21-30	7.5	133
31-40	10.0	100
41-50	12.5	80
51-60	15.0	66

Pharmaceutical Precaution:

Do not store below 25°C.

For animal use only.

Keep away from children.



Ivocip (Ivermectin Injection 1% w/v)

Active Ingredients

Ivermectin Ph. Eur: 1% w/v

Benzyl Alcohol BP: 3% w/v

Use:

Ivocip is the breakthrough injectable parasiticide for cattle, sheep and camels. It effectively controls internal and external parasites that impair livestock health and productivity.

Ivocip injection is indicated for the effective treatment and control of these parasites:

In Pigs/Swine: Gastrointestinal roundworms, Lung worms, Mites, Louse, Hard and soft ticks.

In Cattle: Gastrointestinal roundworms, Lungworms, Cattle grubs, Screw-worm, Lice, Mites, Ticks, biting lice, Tropical cattle ticks.

In Sheep: Gastrointestinal roundworms, Lungworms, Nasal bot, Mange mites.

In Camels: Gastrointestinal roundworms, Mange mites.

In Dogs: Parasites controlled: *Sarcoptes scabiei*, *Otodectes cynotis*, *Toxascaris leonine*, *Toxocara caninum/cati*, *Uncinaria stenocephala*, *Ancylostoma caninum*, *Trichuris vulpis*, *Dirifilaria* (larval stages).

Directions for use:

Ivocip is formulated to deliver the recommended dose level of 200 mcg/kg body weight. Ivocip injection may be given with any standard automatic or single dose syringe.

Cattle & Camels: The recommended dose level is 1 ml (10mg Ivermectin) per 50 kg bodyweight which should be given only by subcutaneous injection. Using sterile instruments inject Ivocip under the loose skin in front of or behind the shoulder. A 16 gauge, 15 or 10mm sterile needle is recommended. Dosage is according to the following schedule.

Weight (kg)	Dose Volume (ml)	Weight (kg)	Dose Volume (ml)
50	1.0	350	7.0
100	2.0	400	8.0
150	3.0	450	9.0
200	4.0	500	10.0
250	5.0	550	11.0
300	6.0	600	12.0

Sheep: The recommended dose volume is .5 ml per 25kg bodyweight which should be given only by subcutaneous injection. An acceptable injection site is the loose skin behind the shoulder. In wooly sheep, be certain that the needle has penetrated the wool and skin before delivering the dose. As with any injection, aseptic technique should be used.

Weight (kg)	Dosage for sheep (ml)	Weight (kg)	Dosage for sheep (ml)
25	0.5	100	2.0
50	1.0	125	2.5
75	1.5	150	3.0

Buffaloes and Goats: The recommended dose volume is 1 ml per 50 kg body weight which should be given only by subcutaneous injection.

Pigs/Swine: The recommended dose volume is 1 ml per 33 kg body weight which should be given only by subcutaneous injection.

Dogs: The recommended dose volume is .2 ml per 10kg body weight which should be given only by subcutaneous injection.

Withdrawal Period – Pigs/Swine and Camels must not be treated within 28 days of slaughter for human consumption. Cattle and sheep must not be treated within 21 days of slaughter for human consumption. When milk is to be used for human consumption do not use in lactating cows or within 28 days of parturition. Since no milk withdrawing periods has been established, do not treat lactating ewes, or within 21 days of lambing where milk is to be used for human consumption. Camels producing milk for human consumption should not be treated.

Pharmaceutical Precaution:

Not to be used intravenously or intramuscularly.

Store below 25°C.

Protect from direct sunlight.



Ivomec® 1% injection for cattle and swine

Description – 1% Sterile Solution IVOMECE Injection is a clear, ready-to-use, sterile solution containing 1% ivermectin, 40% glycerol formal, and propylene glycol, q.s. ad 100%.

Active Ingredients

Ivermectin 1% Sterile Solution

Use:

IVOMECE® (ivermectin) is an injectable parasiticide for cattle and swine. A Parasiticide for the Treatment and Control of Internal and External Parasites of Cattle and Swine.

Cattle: IVOMECE Injection is indicated for the effective treatment and control of the following harmful species of gastrointestinal roundworms, lungworms, grubs, sucking lice, and mange mites in cattle:

Gastrointestinal Roundworms (adults and fourth-stage larvae)

Lungworms (adults and fourth-stage larvae)

Cattle Grubs (parasitic stages)

Sucking Lice

Mites (scabies)

Swine: IVOMECE Injection is indicated for the effective treatment and control of the following harmful species of gastrointestinal roundworms, lungworms, lice, and mange mites in swine:

Gastrointestinal Roundworms

Large roundworm

Red stomach worm

Nodular worm

Threadworm

Somatic Roundworm Larvae

Lice

Mange Mites

Directions for use:

Cattle: IVOMECE Injection should be given only by subcutaneous injection under the loose skin in front of or behind the shoulder at the recommended dose level of 200 mcg of ivermectin per kilogram of body weight. Each mL of IVOMECE contains 10 mg of ivermectin, sufficient to treat 110 lb (50 kg) of body weight (maximum 10 mL per injection site).

Body Weight (lb)	Dose Volume (mL)
220	2
330	3
440	4
550	5
660	6
770	7
880	8
990	9
1100	10

Swine: IVOMEK Injection should be given only by subcutaneous injection in the neck of swine at the recommended dose level of 300 mcg of ivermectin per kilogram (2.2 lb) of body weight. Each mL of IVOMEK contains 10 mg of ivermectin, sufficient to treat 75 lb of body weight.

	Body Weight (lb)	Dose Volume (mL)
Growing Pigs	19	1/4
	38	1/2
	75	1
	150	2
Breeding Animals (Sows, Gilts, and Boars)	225	3
	300	4
	375	5
	450	6

Further Directions for use:



Cattle: IVOMEK Injection is to be given subcutaneously only, to reduce risk of potentially fatal clostridial infection of the injection site. Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16-gauge 1/2" to 3/4" needle is suggested. Inject under the loose skin in front of or behind the shoulder (see illustration).

When using the 200, 500 or 1000 mL pack size, use only automatic syringe equipment. Use sterile equipment and sanitize the injection site by applying a suitable disinfectant. Clean, properly disinfected needles should be used to reduce the potential for injection site infections. No special handling or protective clothing is necessary.

Ivomec® 1% injection (continued)



Swine: IVOMEC® (ivermectin) Injection is to be given subcutaneously in the neck. Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16- or 18-gauge needle is suggested for sows and boars, while an 18- or 20-gauge needle may be appropriate for young animals. Inject under the skin, immediately behind the ear [see illustration].

Recommended Treatment Program:

Swine: At the time of initiating any parasite control program, it is important to treat all breeding animals in the herd. After the initial treatment, use IVOMEC Injection regularly as follows:

BREEDING ANIMALS

Sows: Treat prior to farrowing, preferably 7-14 days before, to minimize infection of piglets.

Gilts: Treat 7-14 days prior to breeding. Treat 7-14 days prior to farrowing.

Boars: Frequency and need for treatments are dependent upon exposure. Treat at least twice a year.

FEEDER PIGS

(Weaners/Growers/Finishers)

All weaner/feeder pigs should be treated before placement in clean quarters.

Pigs exposed to contaminated soil or pasture may need retreatment if reinfection occurs.

Withdrawal Period – Do not treat cattle within 35 days of slaughter. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal. Do not treat swine within 18 days of slaughter.

Pharmaceutical Precaution:

Store bottle in carton to protect from light.

Store in a cool, dry place.

A low incidence of soft tissue swelling at the site of injection site has been observed. These reactions have disappeared without treatment.

This product is for Intramuscular injection only.



Ivomec® Plus

Description – IVOMECE Plus is a ready-to-use sterile solution containing 1% w/v ivermectin, 10% clorsulon, 40% glycerol formal, and propylene glycol, q.s. ad 100%.

Active Ingredients

Ivermectin, clorsulon.

Use:

For the effective treatment and control of internal parasites, including adult liver flukes, and external parasites.

Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.

IVOMECE Plus Injection is indicated for the effective treatment and control of the following parasites of cattle:

Gastrointestinal Roundworms (adults and fourth-stage larvae)

Lungworms (adults and fourth-stage larvae)

Liver Flukes

Cattle Grubs (parasitic stages)

Sucking Lice

Mange Mites (cattle scab)

Directions for use:

IVOMECE Plus should be given only by subcutaneous injection at a dose volume of 1 mL per 110 lb (50 kg) body weight. This volume will deliver 10 mg ivermectin and 100 mg clorsulon. For example:

Body Weight (lb)	Dose Volume (mL)
220	2
330	3
440	4
550	5
660	6
770	7
880	8
990	9
1100	10

Ivomec® Plus (continued)



IVOMEc Plus (ivermectin and clorsulon) Injection is to be given subcutaneously only. Animals should be appropriately restrained to achieve the proper route of administration. Use of a 16-gauge, 1/2" to 3/4" sterile needle is recommended. Inject the solution subcutaneously (under the skin) behind the shoulder (see illustration).

Any single-dose syringe or standard automatic syringe equipment may be used with the 50 mL pack size. When using the 200 mL, 500 mL or 1000 mL pack size, use only automatic syringe equipment.

Use sterile equipment and sanitize the injection site by applying a suitable disinfectant. Clean, properly disinfected needles should be used to reduce the potential for injection site infections.

No special handling or protective clothing is necessary.

The viscosity of the product increases in cool temperatures.

Administering IVOMEc® Plus at temperatures of 5°C [41°F] or below may be difficult. Users can make dosing easier by warming both the product and injection equipment to about 15°C [59°F].

Withdrawal Period – Do not treat cattle within 21 days of slaughter. Because a withdrawal time in milk has not been established, do not use in female dairy cattle of breeding age. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

Pharmaceutical Precaution:

In breeding animals (bulls and cows), ivermectin and clorsulon used at the recommended level had no effect on breeding performance.

NOT FOR USE IN HUMANS.

Keep this and all drugs out of the reach of children

Transitory discomfort has been observed in some cattle following subcutaneous administration. Soft-tissue swelling at the injection site has also been observed.

These reactions have disappeared without treatment. Divide doses greater than 10 mL between two injection sites to reduce occasional discomfort or site reaction. Different injection sites should be used for other parenteral products.

IVOMEc Plus Injection has been developed specifically for use in cattle only. This product should not be used in other animal species as severe adverse reactions, including fatalities in dogs, may result.



J-Fluid Disinfectant

Active Ingredients

4-chloro-m-cresol and tar acids.

Use:

An extra powerful disinfectant with strong bactericidal properties and a lasting odour.

To Clear & Disinfect Paths, Patios & Driveways from all traces of dirt, mould algae & fungi stains N.B. Test on a small area first. – Dilute Jeyes Fluid [see table below]

according to the type of surface; leave for 30 minutes; scrub with a yard brush then rinse off with water

To Deodorise & neutralize outdoor drains weekly whilst removing grease and dirt – Pour Jeyes Fluid neat into outdoor drain & rinse thoroughly.

To clean greenhouses, plant pots & tools – create a healthy environment for your plants to grow, clean your greenhouse twice a year – remove or cover all plants; Dilute Jeyes Fluid.

For greenhouse - wash and rinse immediately. For Plant pots – soak for 30 minutes and rinse.

For tools – Apply and leave for 5 minutes before rinsing off.

To clean & freshen waterbutts – clean waterbutts twice a year to prevent slime building up. See dilution table below for application.

To disinfect animal housing/Equine – protect pets from harmful pests & bacteria (including streptococcus equi that can cause strangles in horses). Regularly clean kennels, hutches, stables & pigeon lofts to neutralize odours. To apply – remove all contents, wash down using diluted Jeyes Fluid (see table below). Return bedding & animals to a dry, well ventilated home.

To kill Avian influenza/bird flu – disinfect surfaces against Avian Influenza, Paramyxovirus virus & Newcastle disease. To apply – remove excess soil, Dilute Jeyes fluid (see table below) & apply via watering can. Leave for 20 minutes before rinsing off.

Directions for use:

Dilute with water.

For general use around building 200 to 1 (or 1 fluid ounce to 7 quarts of water)

For poultry houses: 300 to 1

For fowl pest: 40 to 1

J-Fluid Disinfectant (continued)

For sterilising soil in preparation for sowing and planting. Saturate soil at 400 to 1 concentration at the rate of 2 gallons per sq. yd. This must be done at least 2 weeks before sowing or planting.

Withdrawal Period:

No withdrawal period.

Pharmaceutical Precautions:

1. Outdoor use only – do not use indoors.
2. Use away from pets, especially cats & fish.
3. If spilt wash area immediately with cold water.
4. Store in a warm place, protect from frost.
5. Formula may stain, soften plastics or discolour brick & paintwork
6. Do not exceed recommended concentrations.
7. Avoid contact of product with plant life
8. Use only as directed

This disinfectant has been approved for disinfection of inanimate surfaces where an approved product is required to be used under the control legislation for the following specific disease(s) orders:

Poultry diseases including avian influenza, influenza of avian origin in mammals, Newcastle disease, paramyxovirus at a dilution rate of one part of this preparation plus 20 parts of water.



Jeyes Fluid

Active Ingredients

4-chloro-m-cresol and tar acids.

Use: Clean and disinfect paths, patios and driveways; deodorise and neutralize outdoor drains; clean greenhouses, plant pots and tools; clean and freshen waterbutts; disinfect animal housing/equine and to kill avian influenza/bird flu; unblocks drains. Proven to effectively kills 99.9% of germs.

Directions for use:

To Clear & Disinfect Paths, Patios & Driveways from all traces of dirt, mould algae & fungi stains N.B. Test on a small area first. – Dilute Jeyes Fluid (see table on following page) according to the type of surface; leave for 30 minutes; scrub with a yard brush then rinse off with water

To Deodorise & neutralize outdoor drains weekly whilst removing grease and dirt – Pour Jeyes Fluid neat into outdoor drain & rinse thoroughly.

To clean greenhouses, plant pots & tools – create a healthy environment for your plants to grow, clean your greenhouse twice a year – remove or cover all plants; Dilute Jeyes Fluid (see table on following page).

For greenhouse - wash and rinse immediately. For Plant pots – soak for 30 minutes and rinse.

For tools – Apply and leave for 5 minutes before rinsing off.

To clean & freshen waterbutts – clean waterbutts twice a year to prevent slime building up. See table on following page for application.

To disinfect animal housing/Equine – protect pets from harmful pests and bacteria (including streptococcus equi that can cause strangles in horses). Regularly clean kennels, hutches, stables and pigeon lofts to neutralize odours. To apply – remove all contents, wash down using diluted Jeyes Fluid (see table on following page). Return bedding & animals to a dry, well ventilated home.

To kill Avian influenza/bird flu – Disinfect surfaces against Avian Influenza, Paramyxovirus virus & Newcastle disease. To apply – remove excess soil, Dilute Jeyes fluid (see table on following page) & apply via watering can. Leave for 20 minutes before rinsing off.

Jeyes Fluid (continued)

Dilutions Table for Aforementioned Tasks	Jeyes Fluid (ml)	Water (ml)
Clear paths & Disinfect patios not tarmac (inc. after pet fouling)	150	5000
Clean light coloured stone	50	5000
Deodorises drains	Neat	
Greenhouses, cold-frames, cloches, seed boxes & plant pots(cleaning)	35	5000
Garden tools (cleaning)	10	5000
Waterbutts (cleaning)	15	5000
Waterbutts (freshen water)	5	(Water catcher container)
Disinfects animal housing (kennels, hutches, stables & pigeon lofts)	125	5000
Kills Avian 'flu (H5N1), Paramyxovirus & Newcastle disease	250	5000

Withdrawal Period:

No withdrawal period.

Pharmaceutical Precautions:

1. Outdoor use only – do not use indoors.
2. Use away from pets, especially cats & fish.
3. If spilt wash area immediately with cold water.
4. Store in a warm place, protect from frost.
5. Formula may stain, soften plastics or discolour brick & paintwork
6. Do not exceed recommended concentrations.
7. Avoid contact of product with plant life
8. Use only as directed

This disinfectant has been approved for disinfection of inanimate surfaces where an approved product is required to be used under the control legislation for the following specific disease(s) orders:

Poultry diseases including avian influenza, influenza of avian origin in mammals, Newcastle disease, paramyxovirus at a dilution rate of one part of this preparation plus 20 parts of water.



Joint Combo (3.75lb)

Description– Joint Combo Classic with Glucosamine HCL and Chondroitin Sulphate.

Active Ingredients

Glucosamine HCL (shellfish), chondroitin sulfate (shark), ascorbic acid, manganese, alfalfa meal dehydrated, artificial flavour, bentonite, BHT and BHA, cane molasses, propionic acid and wheat middlings.

Use:

Horse health joint combo contains glucosamine HCL and chondroitin sulfate, along with the cofactors manganese and ascorbic acid, in a palatable, cinnamon apple-flavoured pellet. Glucosamine and chondroitin are found naturally in the bodies of animals and are necessary for normal joint function. Glucosamine is a natural precursor of glycosaminoglycans (GAGs) and hyaluronic acid. Chondroitin is the primary GAG found in cartilage. Manganese is an important cofactor for the formation of GAGs, and ascorbic acid is required for collagen formation. Together, they act synergistically to support healthy joint function. Recommended to support healthy joint function for all classes of Horses.

Directions for use:

Enclosed scoop holds 1 ounce.

Give 3 scoops morning and night for initial loading dose (3-4 weeks).

For maintenance, give 1 scoop daily (based on 1100 lb adult horse).

Withdrawal Period:

No withdrawal period.

Pharmaceutical Precaution:

Store in a cool, dry place.

For animal use only.

Keep out of reach of children.



Kopertox (16 oz)

Description – Water resistant protection without bandaging.

Active Ingredients

Copper Naphthenate	37.5% w/w
Inert Ingredients	62.5% w/w
Total	100.0%

Use:

Recommended as an aid in treating horses and ponies with thrush due to organisms susceptible to copper naphthenate.

Directions for use:

Clean the hoof thoroughly, removing debris and necrotic material prior to application of KOPERTOX®. Apply daily to affected hoofs with a narrow paint brush (about 1”) until fully healed. Caution: Do not allow runoff of excess KOPERTOX® onto hair since contact with KOPERTOX® may cause some hair loss. Do not contaminate feed.

Contraindications:

Do not use in horses intended for human consumption. Use in a well-ventilated place. Avoid fire, flame, sparks or heaters.

If swallowed, do not induce vomiting, call physician immediately. Avoid breathing vapor. Avoid contact with skin and eyes.

Combustible mixture; for external use only.

KOPERTOX® is easily removed from hands, clothing and surfaces with light grade fuel oil or any type of lighter fluid.

Pharmaceutical Precaution:

Contains foil seal- remove before use. Shake well before use.

Do not use in horses intended for human consumption.

For animal use only.

Keep Out of Reach of Children.

Store at controlled room temperature 15°C to 30°C (59° to 86°F).

Keep container tightly closed when not in use.

Keep out of reach of children and pets.

Lactaclox Intramammary Infusion



Description

Lactaclox is an off-white stable intramammary suspension prepared under sterile conditions. Each single dose, 5g syringe contains:

Active Ingredients

Ampicillin, cloxacilin

Use: Lactaclox is effective against Gram-positive and Gram-negative bacteria including *Streptococcus agalactiae*, *Streptococcus dysgalactiae* and other streptococcal species; *Staphylococci* spp; *Arcanobacterium pyogenes*; *Escherichia coli* and other Gram-negative bacteria. It can be safely administered to pregnant animals.

Directions for use: The contents of one syringe should be infused into each infected quarter via the teat canal immediately after milking, at 12 hour intervals for three consecutive milkings. Clean and disinfect the teat before each treatment. After infusion, massage the contents up into the udder, then dip the teat.

Withdrawal Period: Milk for human consumption must not be taken from a cow during treatment. With cows milked twice daily, milk for human consumption may only be taken from 60 hours (i.e. at the 5th milking) after the last treatment. Where any other routine is followed, consult your veterinary surgeon. With other milking routines, the basis of a veterinary surgeon's advice should be that milk may be taken for human consumption only after the same period from the last treatment. For example, with three times a day milking with a product administered twice per day, milk for human consumption may only be taken at the 8th milking. Animals must not be slaughtered for human consumption during treatment. Cattle may be slaughtered for human consumption only after 4 days from the last treatment.

Pharmaceutical Precaution: Penicillins and cephalosporins may cause hypersensitivity [allergy] following injection, inhalation, ingestion or skin contact. Hypersensitivity to penicillins may lead to cross reactions to cephalosporins and vice versa. Allergic reactions to these substances may occasionally be serious. Do not handle this product if you know you are sensitive, or if you have been advised not to work with such preparations. Handle this product with great care to avoid exposure, taking all recommended precautions. If you develop symptoms following exposure such as a skin rash, you should seek medical advice and show the doctor this warning. Swelling of the face, lips or eyes or difficulty with breathing are more serious symptoms and require urgent medical attention. Protective gloves should always be worn when infusing heifers, to avoid contact with the product. Wash hands after use. Do not store above 25°C.



Levox Wormer

Active Ingredients:

Levamisole hydrochloride

Use: A fast, effective drench against stomach worms, bowel worms and lung worms in cattle, goats and sheep. Do not give Levox to sick or feverish animals. Cattle, goats and sheep which have been treated with Levox should not be slaughtered for human consumption in the 3 days following treatment. Milk taken from lactating

animals in the 24 hours immediately after being treated with Levox should not be used for human consumption.

Directions for use:

Cattle (Levox 150ml bottle)

50 kg (110 lbs)- 25 ml (5 capsules)
 100 kg (220 lbs)- 50 ml (1/3 bottle)
 150 kg (330 lbs)- 75 ml (1/2 bottle)
 200 kg (440 lbs)- 100 ml (2/3 bottle)
 250 kg (550 lbs)- 125 ml (3/4 bottle)
 300 kg (660 lbs)- 150 ml (1 bottle)

For goats and sheep:

Up to 30 lbs (13 kg)- 5 ml (1 capful)
 30-50 lbs (13-23 kg)- 10 ml (2 capful)
 50-75 lbs (23-34 kg)- 15 ml (3 capful)
 75b lbs (34 kg and over)- 20 ml (4 capful)

**VERY HEAVY GOATS
 AND SHEEP WEIGHING
 OVER 200LBS SHOULD
 BE GIVEN 30 MLS.**

Careful weight estimates are essential for proper performance of this product. Cattle and sheep maintained under conditions of constant helminth exposure may require retreatment within two to four weeks after the first treatment.

Withdrawal Period: Do not administer to cattle within 48 hours of slaughter for food. Do not administer to sheep within 72 hours of slaughter for food. To prevent residues in milk, do not administer to dairy animals of breeding age.

Pharmaceutical Precaution:

For Animal Use Only.

Keep Out of Reach of Children.

Consult veterinarian before using in severely debilitated animals.

Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism

Store between 15°-30°C (59°-86°F).



Lidocaine HCl 2% and Epinephrine Injection USP

Active Ingredients

Lidocaine Hydrochloride	20 mg/mL
Epinephrine	0.01 mg/mL

Use:

A local anaesthetic used in infiltration, nerve block and epidural anaesthesia in dogs, cats, cattle, horses and sheep. A fast-acting local anaesthetic that produces approximately twice the area of anaesthesia produced by equal concentrations of procaine. Lidocaine hydrochloride is the 2-(diethylamino)-2',6'-acetoxyilidide monohydrochloride. Epinephrine is added to prolong the duration of anaesthesia and to reduce systemic absorption.

Directions for use:

The lowest possible concentration and dose should always be used. Inject slowly. Do not inject intravenously. Infiltration anaesthesia may be obtained by intramuscular or subcutaneous injection. The following dosages are given for 2% lidocaine hydrochloride and epinephrine:

Horse

Volar nerve block	5 - 10 mL
Low epidural (erect animal)	5 - 12 mL
Infiltration	2 - 50 mL

Cattle

Low epidural (erect animal)	5 mL
N. Cornualis block (dehorning)	20 mL
Paravertebral (at each site)	10 - 15 mL
(for last thoracic)	20 mL
Infiltration	5 - 100 mL

Calf

Epidural	3 - 10 mL
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Lidocaine HCl 2% and Epinephrine Injection USP [continued]

Sheep

Epidural	3 - 7 mL
Infiltration	2 - 50 mL

Dog

Epidural	2 - 10 mL
Brachial Plexus Block (average sized dog)	10 mL
Infiltration	2 - 10 mL

Cat

Epidural	0.5 - 2 mL
Infiltration	0.5 - 4 mL

Withdrawal Period:

Treated animals must not be slaughtered for use in food for at least 5 days after the latest treatment with this drug. Milk taken from treated animals during treatment and within 96 hours after the latest treatment must not be used in food.

Pharmaceutical Precautions:

Lidocaine is usually well tolerated.

Nevertheless, as with all local anesthetics, untoward effects may occur due to hypersensitivity, faulty technique, overdosage and inadvertent intravascular or subarachnoid injection.

In case of respiratory arrest, immediate resuscitation with oxygen is indicated.

Store at room temperature between 15°C-30°C and protect from light.

Keep from freezing. If the solution is left in direct sunlight or exposed to high temperatures for a long time, the epinephrine may oxidize and turn the solution pink.

If so, discard the solution.



Lutalyse® Injection

Active Ingredients

(dinoprost injection): 5 mg dinoprost/mL as dinoprost tromethamine

Use:

Cattle: LUTALYSE Injection is indicated as a luteolytic agent. LUTALYSE Injection is effective only in those cattle having a corpus luteum, i.e., those which ovulated at least five days prior to treatment. Future reproductive perfor-

mance of animals that are not cycling will be unaffected by injection of LUTALYSE Injection.

- For estrus synchronization in beef cattle and non-lactating dairy heifers
- For unobserved (silent) estrus in lactating dairy cows with a corpus luteum
- For treatment of pyometra (chronic endometritis) in cattle
- For abortion of feedlot and other non-lactating cattle
- For use with FACTREL [gonadorelin injection] Injection to synchronize estrous cycles to allow fixed-time artificial insemination (FTAI) in lactating dairy cows
- For use with EAZI-BREED™ CIDR® (progesterone intravaginal insert) Cattle Insert for synchronization of estrus in lactating dairy cows
- For use with EAZI-BREED™ CIDR® (progesterone intravaginal insert) Cattle Insert for synchronization of estrus in suckled beef cows and replacement beef and dairy heifers, advancement of first postpartum estrus in suckled beef cows, and advancement of first pubertal estrus in beef heifers

Swine:

- For parturition induction in swine

Mares:

- For controlling the timing of estrus in estrous cycling mares
- For difficult-to-breed mares (clinically anestrous mares that have a corpus luteum)

Directions for use:

As with any multi-dose vial, practice aseptic techniques in withdrawing each dose to decrease the possibility of post-injection bacterial infections. Adequately clean and disinfect the vial stopper prior to entry with a sterile needle and syringe. Use only sterile needles, and use each needle only once.

Lutalyse® Injection (continued)

Cattle:

1. For Estrus Synchronization in Beef Cattle and Non-Lactating Dairy Heifers.
2. For Unobserved (Silent) Estrus in Lactating Dairy Cows with a Corpus Luteum.
3. For Treatment of Pyometra (chronic endometritis) in Cattle.
4. For Abortion of Feedlot and Other Non-Lactating Cattle.
5. For use with FACTREL® (gonadorelin injection) Injection to synchronize estrous cycles to allow fixed-time artificial insemination (FTAI) in lactating dairy cows

Swine:

For Parturition Induction in Swine: For intramuscular use for parturition induction in swine. LUTALYSE Injection is indicated for parturition induction in swine when injected within 3 days of normal predicted farrowing. The response to treatment varies by individual animals with a mean interval from administration of 2 mL LUTALYSE Injection (10 mg dinoprost) to parturition of approximately 30 hours. This can be employed to control the time of farrowing in sows and gilts in late gestation.

Mares:

LUTALYSE Injection is indicated for its luteolytic effect in mares. Administer a single intramuscular injection of 1 mg per 100 lbs (45.5 kg) body weight which is usually 1 mL to 2 mL LUTALYSE Injection. This luteolytic effect can be utilized to control the timing of estrus in estrous cycling and clinically anestrous mares that have a corpus luteum in the following circumstances:

1. Controlling Time of Estrus of Estrous Cycling Mares: Mares treated with LUTALYSE Injection during diestrus (4 or more days after ovulation) will return to estrus within 2 to 4 days in most cases and ovulate 8 to 12 days after treatment. This procedure may be utilized as an aid to scheduling the use of stallions.

2. Difficult-to-Breed Mares: In extended diestrus there is failure to exhibit regular estrous cycles which is different from true anestrus. Many mares described as anestrus during the breeding season have serum progesterone levels consistent with the presence of a functional corpus luteum. A proportion of "barren", maiden, and lactating mares do not exhibit regular estrous cycles and may be in extended diestrus. Following abortion, early fetal death and resorption, or as a result of "pseudopregnancy", there may be serum progesterone levels consistent with a functional corpus luteum. Treatment of such mares with LUTALYSE Injection usually results

in regression of the corpus luteum followed by estrus and/or ovulation. Treatment of “anestrous” mares which abort subsequent to 36 days of pregnancy may not result in return to estrus due to presence of functional endometrial cups.

Withdrawal Period:

No milk discard or preslaughter drug withdrawal period is required for labeled uses in cattle. No preslaughter drug withdrawal period is required for labeled uses in swine. Use of this product in excess of the approved dose may result in drug residues. Do not use in horses intended for human consumption.

Pharmaceutical Precaution

User Safety: Not for human use. Keep out of the reach of children.

Women of childbearing age, asthmatics, and persons with bronchial and other respiratory problems should exercise extreme caution when handling this product.

In the early stages, women may be unaware of their pregnancies.

Dinoprost tromethamine is readily absorbed through the skin and can cause abortion and/or bronchiospasm.

Accidental spillage on the skin should be washed off **immediately** with soap and water.

Keep out of reach of children.



M+PAC® (Mycoplasma Hypopneumoniae Bacterin)

Active Ingredients:

Mycoplasma Hypopneumoniae Bacterin

Use: Recommended for use as an aid in the prevention of pneumonia caused by Mycoplasma hypopneumoniae infection in swine. M+PAC bacterin contains the proprietary dual adjuvant EMUNADE®.

Directions for use:

For vaccination of healthy swine using aseptic technique. Vaccinate pigs subcutaneously or intramuscularly at 7–10 days of age or older with a 1 mL dose, followed by a second 1 mL dose 14 days later. For herds that use a single-dose program, vaccinate pigs intramuscularly at 6 weeks of age or older with a single 2 mL dose. Intramuscular vaccination with a single 2 mL dose of M+PAC® at 6 weeks of age has been demonstrated to provide at least 4 months duration of immunity.

Published research indicates that vaccination with a 1 mL dose of M+PAC® followed by revaccination 14 days or more after the first dose has been shown to be protective, based on lung consolidation and lesion scores, for up to six months.

Withdrawal Period: Do not vaccinate within 21 days of slaughter.

Contraindications:

Antidote: Epinephrine. Extreme caution should be used when injecting oil emulsion vaccines to avoid injecting your own finger or hand. Accidental injection can cause serious local reaction. Contact a physician immediately if accidental injection occurs.

Pharmaceutical Precaution:

Transient local reaction may occur at the injection site. Anaphylactoid reactions may occur after use. For animal use only.

Store at 35°–45°F (2°–7°C). Do not freeze. Use entire contents when first opened.



Magestic® 7 with SPUR®*

Active Ingredients

Parvovirus Vaccine, Killed Virus

Erysipelothrix Rhusiopathiae-Leptospira Canicola-

Grippytyphosa-Hardjo-Icterohaemorrhagiae-

Pomona Bacterin

Use:

For use as an aid in the prevention of disease caused by porcine parvovirus, Erysipelothrix rhusiopathiae, and Leptospira serovars canicola, grippytyphosa, hardjo, icterohaemorrhagiae and pomona in healthy, breeding age swine. Duration of Immunity (DOI) against erysipelas has been demonstrated to be at least 121 days.

Directions for use:

Shake well before using. Administer 2 mL intramuscularly to breeding animals. One dose six (6) weeks before breeding followed by a second dose in 14 to 28 days. Revaccination with a single dose is recommended prior to each breeding (semi-annually). Boars should be vaccinated semi-annually. For optimal parvovirus protection, gilts should be vaccinated after passive maternal antibody levels have declined to allow active immunization.

Pharmaceutical Precaution:

Store at 2° to 7°C (35° to 45°F).

Use entire contents when first opened.

Burn this container and all unused contents.

Do not vaccinate within 21 days before slaughter.

Contains gentamicin and thimerosal as preservatives.

Allergic reactions may follow the use of products of this nature.



Mare Plus

Description:

Mare Plus® supplement - a concentrated, scientifically formulated and balanced vitamin-mineral concentrate, crumbled and flavored for taste appeal. Keeps broodmares in optimal condition during all stages of breeding.

Active Ingredients:

Scientifically Formulated and Balanced Vitamin-Mineral Concentrate, Vitamin A, D3 and E, Calcium, Phosphorus and Iodine, Monocalcium phosphate, ground corn, dehydrated alfalfa meal, wheat middlings, calcium carbonate, magnesium sulfate, potassium chloride, choline chloride, soybean oil, ferrous sulfate, cane molasses, sodium chloride, manganese sulfate, paraaminobenzoic acid, propionic acid (preservative), sodium selenite, beta carotene, zinc sulfate, niacin, vitamin E supplement, vitamin A supplement, vitamin D3 supplement, calcium pantothenate, riboflavin supplement, thiamine mononitrate, vitamin B12 supplement, copper sulfate, cobalt sulfate, pyridoxine hydrochloride, ethylene diamine dihydriodide, and folic acid.

Use: Supplement for Mares, Gestation and Lactation Supplement, Keeps Broodmares in Optimal Condition, For All Classes of Horses. The vitamin-mineral supplement to bring the mare's system into a properly balanced condition; optimal for conception, parturition and lactation.

Directions for use:

Enclosed scoop holds one ounce. Feed one ounce of Mare Plus twice daily with the feed - once in the morning and again in the evening. Mix with regular ration.

General: A concentrated, scientifically formulated and balanced vitamin-mineral concentrate, crumbled and flavoured for taste appeal. Keeps broodmares in optimum condition during all stages of breeding.

For Broodmares: Nutrient requirements of the broodmare increase significantly during gestation and lactation. Plus, in order to conceive, the mare must be in optimum condition. Mare Plus supplies vitamins A and E to supplement and augment these vitamins found in the natural diet. Mare Plus also provides a source of calcium, phosphorous and vitamin D3 for replacement of these nutrients of the mare demanded by the requirements of the unborn foal.

For Lactating Mares: Following the mineral and vitamin requirements of pregnancy, a lactating mare is called upon to produce several litres of milk daily, and she will at the expense of her own vitamin-mineral requirement. Mare Plus is designed for fast assimilation by the dam to supplement her diet and meet the vitamin-mineral requirements of the suckling foal.

For Stallions in Service: Mare Plus should be used as an added precaution to ensure the diet is adequately supplemented with vitamins, calcium, phosphorous and trace minerals. For assurance of adequate vitamin-mineral requirements, supplement the broodmares and stallions of breeding operations.

No withdrawal period.

Pharmaceutical Precaution:

The addition to feed of higher levels of this premix containing selenium is not permitted.

Store in a cool, dry place.



Mega-Blud

Flavoured Vitamin-Mineral Supplement for Horses

Active Ingredients

Guaranteed Analysis	per 28.4g	per kg
Minimum		
Vitamin E	2,000 I.U.	70,400 I.U.
Vitamin A	125,000 I.U.	4,400,000 I.U.
Vitamin D3	25,000 I.U.	880,000 I.U.
Thiamine	100 mg	3,520 mg
Vitamin B12	500 mcg	17,600 mcg
Riboflavin	100 mg	3,520 mg
Folic acid	1.5 mg	52.8 mg
Niacin	280 mg	9,856 mg
Pantothenic acid	100 mg	3,520 mg
Choline	50 mg	1,760 mg
Actual		
Iron	100 mg	3,520 mg
Iodine	1.5 mg	52.8 mg
Cobalt	0.2 mg	7.0 mg
Copper	20 mg	704 mg
Maximum		
Fluorine	2.84 mg	100 mg

Use:

This feed supplement is intended for addition to the grain ration of horses to replace certain vitamin and minerals. Deficiencies of vitamins and minerals may occur in debilitated horses where proper nutrition has not been provided in daily feed rations.

Directions for use:

Feed 1 pouch (28.4 g) per horse per day mixed in the daily grain ration. Feeding vitamins other than vitamin A, D, E, riboflavin, pyridoxine and thiamine to horses may not have a beneficial effect.

No withdrawal period.

Pharmaceutical Precaution:

Protect from excessive heat and moisture.
Keep out of reach of children.



Menorox SP 10%

Active Ingredients

Menorox SP 10% is a medicinal water soluble powder containing 10% w/w NORFLOXACIN for oral use.

Use:

Menorox SP 10% is recommended for use in poultry, swine, calves, goats and sheep for the control of gastrointestinal, respiratory, and urinary tract infections caused by norfloxacin sensitive micro-organisms like campylobacter, E.Coli, Haemophilus, Mycoplasma, Pasteurella and salmonella.

Directions for use:

For oral administration. Dose at 12-25mg/kg body weight norfloxacin daily for 3-5 days. One teaspoonful per gallon of water for 3-5 days.

Withdrawal:

Do not slaughter for human consumption either during treatment or for 8 days after in calves, goats, sheep and swine or for 12 days in poultry.

Pharmaceutical Precaution:

For Animal use only.

Keep away from children.

Store in a cool dry place



Menorox LC-20%

Active Ingredients

Menorox LC 20% is a medication liquid containing 20% w/v norfloxacin for oral use.

Use:

Menorox LC-20% is recommended for use in poultry, swine, calves, goats and sheep for the control of gastrointestinal, respiratory and urinary tract infections caused by norfloxacin sensitive micro-organisms like *Camphylobacter*, *E.Coli*, *Haemophilus*, *Mycoplasma*, *Pasteurella* and *Salmonella*.

Directions for use:

For oral administration. For poultry dose by adding 50ml Menorox LC-20% to 200 litres drinking water. Dose at 12-25mg/kg bodyweight norfloxacin daily for 3-5 days. (Accuracy of dosage will be adversely affected during periods of high ambient temperatures when water consumption is raised).

Withdrawal:

Do not slaughter for human consumption either during treatment or for 8 days after in calves, goats, sheep and swine or for 12 days in poultry.

Pharmaceutical Precaution:

For Animal use only.

Keep away from children.

Store in a cool dry place



Metaphosol

Active Ingredients

Toldimfos sodium 3H₂O 200 mg

Use:

Metaphosol is used as a tonic or stimulant in general metabolic disorders, weakness and prostration after diseases, heavy duty in birth debility of newborn, mal-development and stunting in young animals, nutritional disturbances of the Ca/Mg/P metabolism in connection with Ca/Mg/P infusions, disorders in bone development, rickets, osteomalacia, callus formation after bone fracture, increase in muscle performance. Support of sterility therapy. To increase food intake.

Directions for use:

By intravenous, intramuscular or subcutaneous injection.

It is recommended to inject large volumes in smaller doses at different injection sites.

The administration has to be repeated daily until a clinical effect is obvious or up to 10 applications.

A maximum of 20ml per injection site may be administered.

Horse, cattle	25-50 ml per animal/day
Calf, foal	10-25 ml per animal/day
Goat, sheep	10-15 ml per animal/day
Pig, sow	5-15 ml per animal/day
Dog, cat	0.5-5 ml per animal/day

No withdrawal period should be observed.

Pharmaceutical Precaution:

Store below 25°C.

Protect from light.

Store out of reach of children.



Mineral Oil (3.8L)

Active Ingredients

Mineral oil.

Use:

A mild laxative for the lubrication of the intestinal tract.

Directions for use:

MINERAL OIL is recommended as an intestinal lubricant to relieve constipation, a dry skin softener, and as a coat dressing.

Horses	1 qt.
Cattle	1 qt.
Sheep	5 oz.
Hogs	1 pt.
Dogs, toy breeds, pups	1 oz.
Adult dogs	2 oz.

According to size.

As a Laxative:

Cattle and Horses: 240 to 960 mL depending on body weight and severity of condition.

Sheep, Goats and Swine: 60 to 240 mL.

Dogs and Cats: 5 to 120 mL.

Repeat dosage daily until condition is corrected. Habitual constipation may be relieved by administering 1 to 2 times weekly.

As a Coat Dressing: Mix 1 L alcohol, 1 L water, and 2 L mineral oil; shake vigorously to make an emulsion. Massage into the coat and skin. Follow with a good brushing.

For use as a spray: dissolve 30 grams of soap in 450 mL of hot water. Let cool, then add 450 mL of oil. Then use 30 mL of this mixture with 180 mL of water for spraying.

No withdrawal period**Pharmaceutical Precaution:**

Not recommended for frequent repeat or extended repeated administration. If condition persists consult veterinarian.

Exercise care in administering to avoid aspiration into the lungs and possible foreign body pneumonia. Prolonged use or frequent repeat use may interfere with normal absorption of nutrients from the digestive tract.

Store at controlled room temperature between 15° and 30°C (59°-86°F). Keep tightly closed, protect from light.

For animal use only.

Keep out of reach of children.



Minerlytes Plus

Description:

Vitamin and electrolyte water soluble powder for chickens, turkeys, swine, cattle, sheep and horses.

Active Ingredients: Vitamin A, D3, E, B12, folic acid, menadione, calcium-d-pantothenate, niacinamide, riboflavin, choline bitartrate, sodium chloride, sodium

acetate, sodium diacetate, potassium chloride, magnesium chloride, calcium acetate.

Use: A water soluble multi-vitamin and electrolyte mixture for chickens, turkeys, swine, cattle, sheep and horses. As an aid in stimulating appetite during periods of stress caused by disease, moving, crowding, vaccinating, castration or weather. As an aid in preventing vitamin deficiencies when birds or animals are off normal feed. As an aid in correcting dehydration and electrolyte imbalance during periods of severe stress, scouring and other enteric diseases that may cause dehydration. As an aid in recovering from the stress effects of parasites, such as coccidia or intestinal worms.

Directions for use:

Chickens, Turkeys, Swine, Cattle, Sheep And Horses: Dissolve 100 g [1 pouch] of powder in 187.5 L of drinking water. Treat for 5 days or until feed consumption returns to normal and the effects of dehydration disappear.

For Automatic Proportioner: Set the apparatus to distribute 30 mL per 4 L of drinking water [1 oz./gallon U.S.]. Prepare the stock solution by dissolving 400 g [1 pouch] of powder in 5.6 L of water. This will medicate 750 L of drinking water.

For Continuous Low Level Supplementation Of A Normal Diet: Dissolve 400 g [1 pouch] of powder in 2250 L of drinking water.

For Automatic Proportioner: Set the apparatus to distribute 30 mL per 4 L of drinking water [1 oz./gallon U.S.]. Prepare the stock solution by dissolving 400 g [1 pouch] of powder in 17 L of water. This will medicate 2250 L of drinking water.

Prepare fresh solutions daily and mix only the amount that will be consumed in a 24-hour period. Use as the only source of drinking water.

1 teaspoonful equals 5 g.

No withdrawal period

Pharmaceutical Precaution:

Store between 15 and 25°C. Protect from moisture.

Tightly close the envelope after each use

Keep pail tightly closed when not in use.



Mineralytes Plus Biotin

Description:

Water soluble multi-vitamin and electrolyte mixture for chickens, cattle, swine, turkeys, sheep and horses.

Active Ingredients: Vitamin A, D, E, B12, K3, biotin, folic acid, calcium-d-pantothenate, niacinamide, riboflavin, choline bitartrate, sodium chloride, potassium chloride, magnesium citrate, calcium gluconate, sodium citrate.

Use: A water soluble multi-vitamin and electrolyte mixture for chickens, turkeys, swine, cattle, sheep and horses. As an aid in stimulating appetite during periods of stress caused by disease, moving, crowding, vaccinating, castration or weather. As an aid in preventing vitamin deficiencies when birds or animals are off normal feed. As an aid in correcting dehydration and electrolyte imbalance during periods of severe stress, scouring and other enteric diseases that may cause dehydration. As an aid in recovering from the stress effects of parasites, such as coccidia or intestinal worms.

Directions for use: Dissolve 100 g (1 pouch) of powder in 187.5 L of drinking water. Treat for 5 days or until feed consumption returns to normal and the effects of dehydration disappear.

For Automatic Proportioner: Set the apparatus to distribute 30 mL per 4 L of drinking water (1 oz./gallon U.S.). Prepare the stock solution by dissolving 400 g (1 pouch) of powder in 5.6 L of water. This will medicate 750 L of drinking water.

For Continuous Low Level Supplementation Of A Normal Diet: Dissolve 400 g (1 pouch) of powder in 2250 L of drinking water.

For Automatic Proportioner: Set the apparatus to distribute 30 mL per 4 L of drinking water (1 oz./gallon U.S.). Prepare the stock solution by dissolving 400 g (1 pouch) of powder in 17 L of water. This will medicate 2250 L of drinking water..

Individual Treatment: Calves, Lambs, Foals – Mix 5g of powder per 50kg body weight in the drinking water or milk replacer twice a day. Treat for 5 days or until the effects of dehydration disappear. If additional dosage is given by drench, ensure that an adequate supply of drinking water is available. Prepare a fresh solution daily and mix only the amount that will be consumed in a 24 hr period. Use as the only source of drinking water.

1 teaspoonful equals 5 gram.

Pharmaceutical Precaution:

Protect from excessive heat and moisture. Keep pouch tightly closed when not used. Tightly close the envelope after each use. Keep pail tightly closed when not in use.



Neo-Chlor Plus®

Water Soluble Antibiotics for Chickens,
Turkeys, Swine and Calves

Description:

A yellow soluble powder. Neo-Chlor® contains two antibiotics: Neomycin and tetracycline. The first one is known for its action against E. coli and other bacteria in the digestive system and the second one is a broad-spectrum antibiotic readily absorbed from the digestive tract

for activity throughout the body.

Active Ingredients

Active Ingredient	per 100 g
Tetracycline HCl	20 g
Neomycin Sulfate	20 g (neomycin eq. to 13.525 g)

Use:

Chickens and turkeys: As an aid in the treatment of infectious diseases caused by microorganisms sensitive to tetracycline and neomycin such as chronic respiratory disease (CRD), bluecomb, synovitis and enteritis.

Swine and calves: As an aid in the treatment of respiratory diseases and bacterial enteritis (scours) caused by microorganisms sensitive to tetracycline and neomycin.

Directions for use:

Chickens and turkeys:

100 g: Dissolve 100 or 200 g (1 or 2 pouches) of powder in 225 L of drinking water and administer for 3 to 5 days.

For automatic proportioner: Set the apparatus to distribute 30 mL per 4 L of drinking water [1 oz./gallon U.S.]. Prepare the stock solution by dissolving 4-8 pouches in 6.75L of water. This will medicate 900 L of drinking water.

Swine (scours): 100 g: Dissolve 2 g of powder in 170 mL of water per 45 kg of body weight and administer as a drench or dissolve 100 g (1 pouch) of powder in 225 L of drinking water and administer for 4 or 5 days.

Newborn piglets (scours): Dissolve 4 g of powder to 60 mL of water and administer 5 mL of this solution to each piglet twice daily for 4 or 5 days.

Swine and newborn piglets (respiratory diseases): 100 g: Dissolve 4 g of powder in 170 mL of water for each 45 kg of body weight and administer as

a drench or 200 g (2 pouches) of powder in 225 L of drinking water and administer for 4 or 5 days.

For automatic proportioner: Set the apparatus to distribute 30 mL per 4 L of drinking water (1 oz/gallon U.S.). Prepare the stock solution by dissolving 4-8 pouches in 6.75L of water. This will medicate 900 L of drinking water.

Calves (scours):

Individual Treatment: Dissolve 2 g of powder in 60 mL of water or milk substitute per 45 kg of body weight and administer as a drench for 4 or 5 days.

Herd Treatment: 100 g: Dissolve 2 g of powder in 4.5 L of water or 100 g (1 pouch) of powder in 225 L of drinking water and administer for 4 or 5 days.

Calves (respiratory diseases): Double the above dosage.

Withdrawal:

Treated animals must not be slaughtered for use as food for at least:

Chickens: 7 days, Swine: 5 days; Turkeys and calves: 10 days after the latest treatment with this drug.

Pharmaceutical Precaution:

Store between 15°C and 25°C. Protect from moisture.



Neo-Oxytetracycline

Active Ingredients: Oxytetracycline HCl, 20g per 100g
Neomycin sulfate, neomycin eq. to 13.525g per 20g

Use: Water Soluble Antibiotics for Chickens, Turkeys, Swine and calves.

Chickens and turkeys: As an aid in the treatment of infectious diseases caused by microorganisms sensitive to oxytetracycline and neomycin such as synovitis, enteritis, chronic respiratory disease (CRD), and secondary infections to bluecomb (coronavirus).

Swine and calves: As an aid in the treatment of bacterial enteritis (scours) and respiratory diseases caused by microorganisms sensitive to oxytetracycline and neomycin.

Directions for use:

Chickens and turkeys: 100 or 200g (1 or 2 pouches) per 225L of drinking water for 3 to 5 days.

Swine (scours): 2g of powder in 170ml of water per 45kg of body weight as a drench, or 100g (1 pouch) per 225L of drinking water, for 4 or 5 days.

Newborn piglets (scours): 4g of powder in 60ml of water and give 5ml of this solution to each piglet twice daily for 4 or 5 days.

Swine and newborn piglets (respiratory diseases): 4g of powder in 170ml of water for each 45kg of body weight and give as a drench, or 200g (2 pouches) per 225L of drinking water, for 4 or 5 days.

Calves (scours): Individual treatment: 2g of powder in 60ml of water per 45kg of body weight as a drench, for 4 or 5 days.

Herd treatment: 2g of powder in 4.5L of drinking water, or 100g (1 pouch) per 225L of drinking water, for 4 or 5 days.

Calves (respiratory diseases): Double the above dosage.

Withdrawal:

Treated animals must not be slaughtered for use in food for at least: chickens – 7 days, turkeys – 14 days, swine – 14 days, calves – 30 days after the latest treatment. Do not feed to laying birds, replacement chickens over 16 weeks of age, or lactating dairy cattle.

Pharmaceutical Precaution:

Store between 15°C and 25°C. Protect from moisture.



NexGuard® Chewable Tablets Soft Beef-Flavoured Chewables

Active Ingredients: (afoxolaner).

Use: NexGuard kills adult fleas and is indicated for the treatment and prevention of flea infestations (*Ctenocephalides felis*), and the treatment and control of Black-legged tick (*Ixodes scapularis*), American Dog tick (*Dermacentor variabilis*), Lone Star tick (*Amblyomma americanum*), and Brown dog tick (*Rhipicephalus sanguineus*) infestations in dogs and puppies 8 weeks of age and older, weighing 4 pounds of body weight or greater, for one month.

Directions for use: NexGuard is given orally once a month, at the minimum dosage of 1.14 mg/lb (2.5 mg/kg).

Dosing Schedule:

Body Weight	Afoxolaner Per Chewable (mg)	Chewables Administered
4.0 to 10.0 lbs.	11.3	One
10.1 to 24.0 lbs.	28.3	One
24.1 to 60.0 lbs.	68	One
60.1 to 121.0 lbs.	136	One
Over 121.0 lbs.	Administer the appropriate combination of chewables	

NexGuard can be administered with or without food. Care should be taken that the dog consumes the complete dose, and treated animals should be observed for a few minutes to ensure that part of the dose is not lost or refused. If it is suspected that any of the dose has been lost or if vomiting occurs within two hours of administration, redose with another full dose. If a dose is missed, administer NexGuard and resume a monthly dosing schedule.

Flea Treatment and Prevention: Treatment with NexGuard may begin at any time of the year. In areas where fleas are common year-round, monthly treatment with NexGuard should continue the entire year without interruption.

To minimize the likelihood of flea reinfestation, it is important to treat all animals within a household with an approved flea control product.

Tick Treatment and Control: Treatment with NexGuard may begin at any time of the year.

NexGard® Chewable Tablets (continued)

Contraindication:

There are no known contraindications.

The most frequent reported adverse reaction is vomiting. The occurrence is self-limiting and of short duration.

Pharmaceutical Precaution:

The safe use of NexGard in breeding, pregnant or lactating dogs has not been evaluated. Use with caution in dogs with a history of seizures .

Store at or below 30°C (86°F) with excursions permitted up to 40°C (104°F).



Nobloat

Active Ingredients

Simethicone USP, dill oil BP

Use:

All kinds of bloat or tympany. Works as an emergency drug in case of severe bloat, Acute tympany, Frothy bloat, Impaction.

Simethicone is an oral anti-foaming agent used to reduce bloating, discomfort and pain caused by excess gas in the stomach or intestinal tract.

Salient Features:

Clears the gases trapped in the froth.

Prevents the formation of gases.

Stimulates peristaltic movements.

Revives ruminal motility.

Quick action.

Directions for use:

Cattle/buffalo: 100 ml

Sheep/goat: 20 ml

No withdrawal period

Contraindications:

Simethicone is not absorbed by the body into the bloodstream following oral administration. Physiologically, silicones are extremely inert. It is considered to be non-toxic and safe.

Pharmaceutical Precaution:

Store below 30°C.

Keep out of reach of children.



Norodine®24 Solution for Injection

Active Ingredients

Sulfadiazine, trimethoprim

Use:

Norodine 24 is indicated in the treatment of acute, sub-acute and chronic conditions of bacterial origin in horses, cattle, pigs, dogs and cats. The therapeutic spectrum includes both Gram-negative and Gram-positive bacteria including Streptococci, Staphylococci, Actinobacilli, Actinomycae, Salmonella, Pasteurella, Pneumococci, Proteus, E. coli, Corynebacteria, Vibrio, Bordetella, Brucella, Klebsiellae and Haemophilae. It is also indicated in species where there may be an existing antibiotic drug resistance. Norodine 24 may be administered in respiratory infections of bacterial origin including rhinitis, pneumonia, bronchitis and in bacterial infections secondary to viral disease such as viral pneumonia or mycoplasma infections. It is also indicated in urogenital tract infections (cystitis, vaginitis, urethritis, nephritis and metritis) and alimentary tract infections (including neonatal diarrhoea and salmonellosis). Other infections include foul-in-the-foot, severe mastitis, bacterial agalactia of sows, and infections of eye, ear and mouth.

Directions for use:

For cattle and pigs the dose is 1 ml per 16kg bodyweight daily by intramuscular or slow intravenous injection. Norodine 24 may be administered by intravenous injection when rapid blood levels of sulfadiazine and trimethoprim are required. For horses the dose is 1 ml per 16kg bodyweight by slow intravenous injection. For dogs and cats the dose is 1 ml per 8kg bodyweight, by subcutaneous injection only. The recommended site in dogs is the loose skin at the top of the neck. A single injection may be sufficient in uncomplicated conditions, but in severe infections they may be repeated daily until two days after the symptoms resolve, up to a maximum of 5 days.

An appropriately graduated syringe must be used to allow accurate administration of the required dose volume. This is particularly important when injecting small volumes.

Advice On Correct Administration: Injections should not be given by routes other than those recommended. Not to be administered intraperitoneally.

Withdrawal Period:

Milk for human consumption must not be taken from a cow during treatment. Animals must not be slaughtered for human consumption during treatment. Not to be used in horses intended for human consumption. Treated

horses may never be slaughtered for human consumption. The horse must have been declared as not intended for human consumption under national horse passport legislation.

Cattle: Meat - 12 days; Milk - 48 hours

Pigs: Meat - 20 days

Pharmaceutical Precaution:

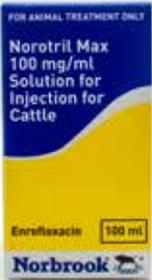
Norodine 24 is contraindicated in animals with known sulfonamide sensitivity, severe liver parenchymal damage, or blood dyscrasias. If you notice any serious effects or other effects not mentioned in this leaflet, please inform your veterinary surgeon.

Do not store above 25°C.

Protect from freezing.

Crystallization of the product at low temperatures can be reversed by gentle warming.

Protect from light.



Norotril Max 100 mg/ml Solution for Injection for Cattle

Description

A clear yellow solution for injection.

Active Ingredients

Enrofloxacin, Benzyl alcohol, Butan-1-ol.

Use:

Indicated for the treatment of bovine respiratory disease associated with *Mannheimia haemolytica*, *Pasteurella multocida*, *Histophilus somni* and *Mycoplasma* spp. where clinical experience, supported where possible by sensitivity testing of the causal organism, indicates enrofloxacin as the drug of choice.

Directions for use:

To ensure correct dosage, body weight should be determined as accurately as possible to avoid underdosing. For respiratory infections in cattle: administer a single dose of 7.5 mg/kg bodyweight (7.5 ml per 100 kg bodyweight) by subcutaneous injection. Not more than 15 ml should be administered at one subcutaneous injection site.

Withdrawal Period:

Milk: 84 hours

Meat and offal: 14 days

Pharmaceutical Precaution:

Shelf-life of the veterinary medicinal product as packaged for sale: 24 months. Shelf-life after first opening the container: Following withdrawal of the first dose, use the product within 28 days. Discard unused material.

Do not store above 25°C. Do not freeze. Store in the original packaging in order to protect from light.

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.



Otivet Ointment

Active Ingredients

Gentamicin Sulfate USP equivalent to Gentamicin base 3mg
Betamethasone valerate USP equivalent to Beta-
methasone 1mg, Clotrimazole USP 10mg.

Use:

Indicated for the treatment of canine acute and chronic otitis externa associated with yeast (*Malassezia pachydermatis*, formerly *Pityrosporum canis*) and/or bacteria susceptible to gentamicin.

Directions for use:

The external ear should be thoroughly cleaned and dried before treatment. Remove foreign material, debris, crusted exudates, etc., with suitable non-irritating solutions. Excessive hair should be clipped from the treatment area. After verifying that the eardrum is intact, instill 4 drops of Otivet ointment twice daily into the ear canal of dogs weighing less than 30lbs. Instill 8 drops twice daily into the ear canal of dogs weighing 30lbs. or more. Therapy should continue for 7 consecutive days.

No withdrawal period

Contraindications:

If hypersensitivity to any of the components occurs, treatment should be discontinued and appropriate therapy instituted. Do not use in dogs with known perforation of eardrums.

Pharmaceutical Precaution:

Store in a cool, dry place.

Keep out of reach of children.



Oxytocin Injection

Active Ingredients

Contains 20 USP Units of oxytocic activity per mL in a clear, sterile, colourless aqueous solution. It is a polypeptide of 8 amino acids chemically synthesized from optically active amino acids. Preservative: 0.5% w/v chlorobutanol.

Use:

As an aid in the treatment of the following conditions in cows, mares, sows, ewes, dogs and cats:

1. In dystocia due to uterine inertia.
2. In evacuating tissue and debris from the uterus in cases of pyometra or endometritis.
3. For preventing or controlling postpartum uterine hemorrhage.
4. Uncomplicated agalactia in sows.
5. To aid in the correction of a prolapsed uterus.
6. To aid in evacuation, debridement and drainage in mastitis.
7. Initiation of lactation following parturition.
8. To induce labor.
9. To accelerate the process of normal parturition.
10. Agalactia in heifers and cows with extreme oedema of the udder.
11. Post operative contraction of the uterus following caesarian section.

Directions for use:

May be injected subcutaneously, intramuscularly or intravenously. Use aseptic technique. The following dosages are recommended and may be repeated as needed.

For obstetrical use:

Cows and mares	2.5 to 5 mL
Sows and ewes	1.5 to 2.5 mL
Dogs	0.25 to 1.5 mL
Cats	0.25 to 0.75 mL

To stimulate milk let-down:

Cows	0.5 to 1.0 mL
Sows	0.25 to 1.0 mL

For rapidity of action and maximum effectiveness in mastitis treatment, the intravenous route is recommended. Oxytocin is more effective when administered intravenously as compared to other routes.

Cows	1.0 to 2.0 mL
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Withdrawal Period:

Treated animals must not be slaughtered for use in food for at least 3 days after the last treatment of drug.

Milk taken from treated animals within 24 hrs after last treatment must not be used as food.

When drug is administered to dairy cattle at a dose up to 1 ml no milk withdrawal period can be observed.

Contraindications:

Early stages of labour (where the cervix is not fully relaxed), mechanical obstruction (gross fetal deformities, malpresentation or factors predisposing to uterine rupture), and in cases showing cardiac disease or renal disease.

Pharmaceutical Precaution:

Excessive dosage may cause spasm of coronary arteries and high blood pressure. Oxytocin is a potent preparation and therefore should be used with caution.

Store at 2-8°C.

Refrigerate partially used vial between 2-8°C



Oxyvet®100 LP

Sterile Injectable Solution

Active Ingredients: OXYVET 100 LP is a sterile, clear, stable solution containing 100 mg/mL of oxytetracycline hydrochloride for intravenous or intramuscular administration. It also contains 5 mg/mL of benzyl alcohol as a preservative.

Use:

OXYVET 100 LP is used to treat all infections caused by oxytetracycline sensitive bacteria in cattle, swine and sheep.

Cattle: Bacterial pneumonia, pasteurellosis (associated with shipping fever complex), mastitis, metritis, calf scours (bacterial enteritis), foot rot, navel ill, calf diphtheria, leptospirosis, black leg/malignant edema, peritonitis and joint ill.

Swine: Erysipelas, bacterial enteritis, leptospirosis, metritis, mastitis and bacterial pneumonia.

Sheep: Bacterial pneumonia, pasteurellosis, mastitis, metritis and joint ill. Wound Infections; Acute Metritis; Traumatic Injury

Directions for use:

Administer by intramuscular or intravenous injection at the rate of 3 mL per 45 kg of body weight once daily for 2 to 3 days. Higher blood levels can be achieved following intravenous administration of this dosage.

Bacterial enteritis (scours) in nursing pigs: As an aid in the prevention of bacterial enteritis (scours) in nursing pigs, inject the sow intramuscularly at the rate of 3 mL per 45 kg of body weight when symptoms of scours are first noticed.

Withdrawal:

Milk taken from treated animals during treatment and within 72 hours after the latest treatment must not be used as food. Treated animals must not be slaughtered for use in food for at least 18 days after the latest treatment with this drug.

Pharmaceutical Precaution:

Do not inject more than 20ml of Oxyvet 100 LP, at one injection site. In lactating dairy cattle, no more than 10ml should be injected intramuscular at one injection site.

Oxyvet 100LP should be warmed to body temperature prior to administration.

Store between 15°C and 25°C.

Protect from light.



Oxyvet®200 LA

Sterile Injectable Solution

Description

Oxytetracycline Injection 200 (oxytetracycline) is a sterile, ready-to-use solution for the administration of the broad-spectrum antibiotic oxytetracycline by injection.

Active Ingredients: Oxytetracycline dihydrate equivalent to 200 mg oxytetracycline base per mL.

Use:

Oxytetracycline Injection 200 is intended for use in treatment of the following diseases in beef cattle, dairy cattle, calves, including preruminating (veal) calves, and swine when due to oxytetracycline-susceptible organisms:

Cattle: Oxytetracycline Injection 200 is used in the treatment of Bacterial pneumonia, pasteurellosis (associated with shipping fever complex), mastitis, metritis, calf scours (bacterial enteritis), foot rot, navel ill, calf diphtheria, leptospirosis, blackleg/malignant edema, peritonitis, joint ill, pinkeye and wound infections.

Swine: Oxytetracycline Injection 200 is used in the treatment of bacterial enteritis (scours, colibacillosis) caused by *Escherichia coli*; pneumonia caused by *Pasteurella multocida*; and leptospirosis caused by *Leptospira pomona*.

In sows, Oxytetracycline Injection 200 is used as an aid in control of infectious enteritis (baby pig scours, colibacillosis) in suckling pigs caused by *Escherichia coli*; Erysipelas, bacterial enteritis, leptospirosis, metritis, mastitis, bacterial pneumonia.

Directions for use:

Cattle: Administer by deep intramuscular injection or subcutaneous injection at a single dose rate of 1 mL per 10 kg of body weight (20 mg oxytetracycline per kg of body weight).

Swine: Administer by deep intramuscular injection at a single dose rate of 1 mL per 10 kg of body weight (20 mg oxytetracycline per kg of body weight).

It is recommended that the maximum dose at any one site is 10 mL in cattle and 5 mL in pigs to minimize local tissue irritation at the injection site. Intramuscular injections should be made deep into the fleshy part of the muscle such as the thigh or neck region.

Oxyvet®200 LA (continued)

Following administration, temporary localized swelling may be observed at the site of injection for several days. This is due to the high concentration and long acting effect of the product.

OXYVET 200 LA injectable solution should be warmed to body temperature prior to administration.

If clinical improvement is not observed after 48 hours, clinical re-evaluation may be required. In non-responsive cases, consideration may be given to the use of an alternative antibiotic.

Withdrawal:

Intramuscular administration: treated cattle and swine must not be slaughtered for use in food for at least 21 days after the latest treatment with this drug.

Subcutaneous administration: treated cattle must not be slaughtered for use in food for at least 42 days after the latest treatment with this drug.

Do not use in lactating dairy cattle.

Note: to reduce the possibility of excess trim at the injection site, do not slaughter cattle for at least 42 days after the latest treatment with this drug.

Contraindications:

When administered to cattle, muscle discoloration may necessitate trimming of the injection site(s) and surrounding tissues during the dressing procedure.

Pharmaceutical Precaution:

Store between 15°C and 25°C.

Protect from light.

Keep out of reach of children.



Panacur Suspension 10%

(Horse and cattle dewormer)

Active Ingredients: Fenbendazole

Use:

Horses: 5 mg/kg (2.3 mg/lb) for the control of large strongyles (*Strongylus edentatus*, *S. equinus*, *S. vulgaris*, *Triodontophorus* spp.), small strongyles (*Cyathostomum* spp., *Cylicocyclus* spp., *Cylicostephanus* spp., *Cylicodontophorus* spp.), and pinworms (*Oxyuris equi*).

Beef and Dairy Cattle: 5 mg/kg (2.3 mg/lb) for the removal and control of Lungworm: (*Dictyocaulus viviparus*).

Stomach worm (adults): *Ostertagia ostertagi* (brown stomach worms).

Stomach worm (adults & 4th stage larvae): *Haemonchus contortus*/placei (barberpole worm), *Trichostrongylus axei* (small stomach worm).

Intestinal worm (adults & 4th stage larvae): *Bunostomum phlebotomum* (hookworm), *Nematodirus helvetianus* (thread-necked intestinal worm), *Cooperia punctata* and *C. oncophora* (small intestinal worm), *Trichostrongylus colubriformis* (bankrupt worm), *Oesophagostomum radiatum* (nodular worm).

Beef Cattle Only - 10 mg/kg (4.6 mg/lb) for the removal and control of:

Stomach worm (4th stage inhibited larvae): *Ostertagia ostertagi* (Type II *Ostertagiasis*).

Tapeworm: *Moniezia benedeni*.

Do not use in dairy cattle at 10 mg/kg

In beef and dairy cattle, the recommended dose of 5 mg/kg is achieved when 2.3 mL of the drug are given for each 100 lb of body weight. In beef cattle only, the recommended dosage of 10 mg/kg for the treatment of *Ostertagiasis* Type II (inhibited 4th stage larvae) or tapeworm is achieved when 4.6 mL of the drug is given for each 100 lb of body weight.

Horses		
Dose [5 mg / kg]	Dose [10 mg / kg]	Animal Weight
2.3 mL	4.6 mL	100 lb
4.6 mL	9.2 mL	200 lb
6.9 mL	13.8 mL	300 lb
9.2 mL	18.4 mL	400 lb
11.5 mL	23.0 mL	500 lb
23.0 mL	46.0 mL	1,000 lb
34.5 mL	69.0 mL	1,500 lb

Panacur Suspension 10% (continued)

Directions for use:

Beef and Dairy Cattle and Horses: Determine the proper dose according to estimated body weight. Administer orally by suitable dosing syringe. Insert nozzle of syringe through the interdental space and deposit the drug on the back of the tongue by depressing the plunger. The drug may also be administered by stomach tube. There are no known contraindications to the use of the drug in cattle or horses.

Panacur® (fenbendazole) Suspension 10% is approved for use concomitantly with an approved form of trichlorfon. Trichlorfon is approved for the treatment of stomach bots (*Gasterophilus* spp.) in horses. Refer to the manufacturer's label for directions for use and cautions for trichlorfon.

Regular deworming at intervals of six to eight weeks may be required for horses.

Under conditions of continued exposure to parasites, retreatment may be needed after 4-6 weeks.

Withdrawal:

Do not use in horses intended for human consumption.

Cattle must not be slaughtered for human consumption within 8 days following treatment. For dairy cattle, there is no milk withdrawal period at the 5 mg/kg dose. Do not use at 10 mg/kg in dairy cattle. Dose rate of 10 mg/kg is for beef cattle only. Dose rate of 10 mg/kg in dairy cattle could result in violative residues in milk. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

Pharmaceutical Precautions:

Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Keep this and all medication out of the reach of children.

Shake well before use.

Store at or below 25° C (77° F)

Protect from freezing.



Panacur Equine Dewormer

25 gram paste 10%

Active Ingredients: Fenbendazole

Use:

Panacur® (fenbendazole) Paste 10% is indicated for the control of large strongyles (*Strongylus edentatus*, *S. equinus*, *S. vulgaris*), encysted early third stage (hyobiotic), late third stage and fourth stage cyathostome larvae, small strongyles, pinworms (*Oxyuris equi*), ascarids (*Parascaris equorum*), and arteritis caused by fourth stage larvae of *Strongylus vulgaris* in horses.

Panacur® (fenbendazole) Paste 10% is approved for use concomitantly with an approved form of trichlorfon. Trichlorfon is approved for the treatment of stomach bots (*Gasterophilus* spp.) in horses. Refer to the manufacturer's label for directions for use and cautions for trichlorfon.

Internal Parasites: Regular deworming at intervals of six to eight weeks may be required due to the possibility of reinfection.

Panacur® (fenbendazole) Paste 10% is administered orally at a rate of 2.3 mg/lb (5 mg/kg) for the control of large strongyles, small strongyles, and pinworms. One syringe will deworm a 1,100 lb horse. For foals and weanlings (less than 18 months of age) where ascarids are a common problem, the recommended dose is 4.6 mg/lb (10 mg/kg); one syringe will deworm a 550 lb horse.

For control of encysted early third stage (hypobiotic), late third stage and fourth stage cyathostome larvae, and fourth stage larvae of *Strongylus vulgaris*, the recommended dose is 4.6 mg/lb (10 mg/kg) daily for 5 consecutive days; administer one syringe for each 550 lbs body weight per day.

Directions for use:

1. Determine the weight of the horse.
2. Remove syringe tip.
3. Turn the dial ring until the edge of the ring nearest the tip lines up with zero.
4. Depress plunger to advance paste to tip.
5. Now set the dial ring at the graduation nearest the weight of the horse (do not underdose).
6. Horse's mouth must be free of food.
7. Insert nozzle of syringe through the interdental space and deposit the paste on the back of the tongue by depressing the plunger.

Panacur Equine Dewormer (continued)

No withdrawal period observed.

Do not use in horses intended for human consumption.

Pharmaceutical Precautions:

Panacur® (fenbendazole) Paste 10% has been evaluated for safety in pregnant mares during all stages of gestation with doses as high as 11.4 mg/lb (25 mg/kg) and in stallions with doses as high as 11.4 mg/lb (25 mg/kg).

No adverse effects on reproductivity were detected.

Keep this and all medications out of the reach of children.



Parazine Soluble Wormer for livestock and poultry

Active Ingredients: Piperazine dihydrochloride

Use: Is a relatively non-toxic treatment for the removal of large roundworms (*Ascaris lumbricoides*) and nodular worms (*Desophagostomum* spp.) from swine, and roundworms (*Ascaridis* spp.) from poultry. Effective against certain type of worms in horses, mules, donkeys, goats, sheep and cows.

Worms are usually expelled within one day after treatment. For best results, withhold feed or water overnight or for about 12 hours prior to treatment, then give the Parazine in the first drinking water or feed of the morning and do not remove medication until all is consumed in one day. Use only the medicated feed or water for one day. This packet will mix either 10 litres of water or 5.6kg of feed.

Directions for use:

1. Remove all sources of drinking water the night before treatment.
2. Determine amount of medicated water needed from poultry or pig dosage schedule. Prepare this quantity of water using the proper schedule as a guide.
NOTE: Atmospheric temperature alters water consumption. Adjust dosage table to current amount consumed.
3. Administer as the ONLY drinking water for one to two days.
4. Retreatment according to schedule in thirty days is recommended. The drinking water dilutions on the label are based on a water consumption of 1 gallon of drinking water per 100 lb. of body weight for swine. If water consumption is more or less, the above dosages will have to be adjusted to the amount consumed.

Poultry Dosage: Laying and growing birds may be treated every 4-6 weeks. Deworm broiler chicken at 4-6 weeks. For chickens, add 1 fl. oz. of Piperazine Water Wormer to 1 1/4 gallons of drinking water. For turkeys, add 2 fl. oz. of Piperazine Water Wormer to 1 1/4 gallons of drinking water. These dilutions are sufficient for 100 chickens under 6 weeks of age or 50 chickens over 6 weeks of age, and for 100 turkeys up to 12 weeks of age or 50 turkeys over 12 weeks of age.

One packet of Piperazine will treat Chickens & Pigs as follows:

250 Chickens under 6 weeks of age 10 Pigs of 11kg (24lbs)

125 Chicken over 6 weeks of age 5 Pigs of 22kg (48 lbs)

3 pigs of 37kg (81 lbs)

Parazine Soluble Wormer (continued)

Withdrawal: In general, deworms pigs every 30 days to break the large roundworm flies cycle. Deworm sows before breeding and up to 2 weeks before farrowing; then 7-10 days after weaning and every 30-45 days thereafter. Deworm boars at any time of the year. Do not medicate prior to slaughter as follows: Turkeys - 14 days, Chickens - 14 days, Swine - 21 days.

Do not use in chickens producing eggs for human consumption.

Pharmaceutical Precautions:

Consult a veterinarian before using in severely debilitated animals.

Keep out of reach of children.

For animal use only.

Do not give to sick, feverish, underweight or physically weak birds or animals.

Consult your veterinarian for assistance in the diagnosis, treatment and control of parasitism.



Performance-Mx (1 gallon)

Description:

A powerful iron-rich supplement for peak performance in equine athletes

Active Ingredients: Acetic acid, citric acid, tannic acid, lactic acid, copper proteinate soluble and zinc proteinate soluble.

Use:

Use to maintain the optimal nutritional balance in performance horses. The nutritional demands of a performance horse can be several times those of a horse grazing in the pasture. Formula 707 PerformanceMx Liquid was specifically developed to meet the extra nutritional needs of the performance horse. For example, it contains balanced amounts of both methionine and lysine, the protein-building amino acids most likely to be lacking in the performance horse diet, in addition to yeast culture to enhance activity in the hind gut and added vitamins C and E which act as anti-oxidants.

For Horses in Heavy Training: Liquid PerformanceMx is the ideal companion product to Daily Essentials. Use both to ensure consistently high performance for horses in all types of competition

Directions for use:

For extreme conditions: Mix one quart in one-gallon stock solution and meter at the rate of one ounce per gallon.

For normal conditions: Mix one quart to a two-gallon stock solution and meter at the rate of one ounce per gallon.

Beginning at 21 days, administer for 3-5 days per week.

Note- as with all products, water consumption should be monitored during initial use, water lines should be cleaned prior to initial use by using citric acid, Vin-A-Max or Aqua-Max.

Do not use with chlorine bleach.

No withdrawal Period

Pharmaceutical Precaution:

Do not reuse container, store only in original container. Do not store by food, water or feed. Keep this product under lock to assure unauthorized use does not occur.



P.G. 600

Active Ingredients: P.G. 600 is a combination of serum gonadotropin (Pregnant Mare Serum Gonadotropin or PMSG) and chorionic gonadotropin (Human Chorionic Gonadotropin or HCG) for use in prepuberal gilts (gilts that have not yet exhibited their first estrus) and in sows at weaning. It is supplied in freeze-dried form with sterile diluent for reconstitution.

Use: Gilts normally reach puberty (begin experiencing normal estrous cycles and exhibiting regular estrus or heat) at any time between six and eight months of age, although some gilts will not have exhibited their first estrus at ten months of age. Age at first estrus is influenced by several factors including breed type, season of the year, environmental conditions, and management practice (Hurtgen, 1986).

Sows normally exhibit estrus three to seven days after weaning their litters; however, some otherwise healthy sows may not exhibit estrus for 30 days or more after weaning (Dial and Britt, 1986). The causes of delayed return to estrus in healthy sows are poorly understood, but probably include season of the year (so-called seasonal anestrus; Hurtgen, 1979), adverse environmental conditions, such as high ambient temperatures (Love, 1978), and the number of previous litters, because the condition is more prevalent after the first litter than after later litters (Hurtgen, 1986).

In gilts and sows, the action of serum gonadotropin is similar to the action of Follicle-Stimulating Hormone (FSH), which is produced by the animals' anterior pituitary gland. It stimulates the follicles of the ovaries to produce mature ova (eggs), and it promotes the outward signs of estrus (heat).

The action of chorionic gonadotropin in gilts and sows is similar to the action of Luteinizing Hormone (LH), which is also produced by the animals' anterior pituitary gland. It causes the release of mature ova from the follicles of the ovaries (ovulation), and it promotes the formation of corpora lutea, which are necessary for the maintenance of pregnancy once the animals have become pregnant.

The combination of serum gonadotropin and chorionic gonadotropin in P.G. 600 induces fertile estrus in most prepuberal gilts and weaned sows three to seven days after administration. The animals may then be mated or, in the case of gilts, mating may be delayed until the second estrus after treatment.

P.G. 600 is intended as a management tool to improve reproductive efficiency in swine production operations. To obtain maximum benefit from this product, estrus detection and other aspects of reproductive management must be adequate. If you are in doubt about the adequacy of your breeding program, consult your veterinarian.

Prepuberal Gilts: P.G. 600 is indicated for induction of fertile estrus (heat) in healthy prepuberal (non-cycling) gilts over five and one-half months of age and weighing at least 85 kg (187 lb.).

Sows at Weaning: P.G. 600 is indicated for induction of estrus in healthy weaned sows experiencing delayed return to estrus.

Directions for use:

One dose (5 mL) of reconstituted P.G. 600, containing 400 IU serum gonadotropin (PMSG) and 200 IU chorionic gonadotropin (HCG), should be injected into the gilt or sow's neck behind the ear.

Prepuberal gilts should be injected when they are selected for addition to the breeding herd. Sows should be injected at weaning during periods of delayed return to estrus.

SINGLE DOSE VIALS: Using a sterile syringe and a sterile 0.90 x 38 mm (20 G x 1 1/2") hypodermic needle, transfer the contents of one vial of sterile diluent (5 mL) into one vial of freeze-dried powder. Shake gently to dissolve the powder. Inject the contents of the vial into the gilt or sow's neck behind the ear.

FIVE DOSE VIAL: Using a sterile syringe and a sterile 0.90 x 38 mm (20 G x 1 1/2") hypodermic needle, transfer approximately 5 mL of the sterile diluent into the vial of freeze-dried powder. Shake gently to dissolve the powder. Transfer the dissolved product back into the vial of diluent and shake gently to mix. Inject one dose (5 mL) of the reconstituted solution into the gilt or sow's neck behind the ear.

No withdrawal Period

Pharmaceutical Precaution:

Store at 36-46°F (2-8°C).

Once reconstituted, P.G. 600 should be used immediately. Unused solution should be disposed of properly and not stored for future use.



Pig Wormer Soluble

Active Ingredients

Piperazine dihydrochloride 53%

Use:

Piperazine Dihydrochloride is used as a one day wormer, either in water or feed, for the control of Round worms in poultry, swine, and horses. It will also control nodular worms in swine, and small strongyles in horses.

Directions for use:

For best results, withhold feed or water overnight or for about 12 hours prior to treatment, then give the pig wormer in the first drinking water or feed in the morning and do not remove medication until all is consumed. Use only the medicated feed or water for one day. This packet will mix either 10 litres of water or 5.5kg of feed.

This packet will treat :

10 pigs of 11kg (24lbs)

5 Pigs of 23kg (50 lbs)

3 Pigs of 38kg (83lbs)

2 Pigs of 55kg each (110lbs)

Withdrawal Period:

Turkeys, chickens-14 days.

Swine- 21 days.

Pharmaceutical Precaution:

Keep out of reach of children

Avoid contact with eyes, wash eyes with water and consult your doctor.



Piggyboost

Description:

Nutritional supplement for newborns.

Active Ingredients:

Medium Fatty acids, glucose syrup and vitamins, crude protein, Crude Fat, Crude Fibre, Crude Ash, lysine, methionine, Vitamin A, Vitamin D3, Antioxidants, microorganism, flavouring.

Use:

Nutritional supplement for new born piglets in the form of an oral paste. This is a short term readily available energy and nutrient boost for new born piglets; also, weak, small and underweight piglets. Can be used in cases of parturition problems, large litters, and poor maternal instinct. Piggyboost provides immediate available energy to help piglets access maternal colostrum. Activity and tonicity are from a special plant extract blend, that creates beneficial bacterial colonization of the gut, improves the physical condition, suckling ability, and resistance to stress.

Directions for use:

Introduce the nozzle (extension clear tubes supplied with each dispenser) onto the back of the piglet's tongue. Give one dose (2 ml) and allow the piglet to swallow. Dose rate: 2ml (one pump) as soon as possible after birth and 2ml, 5 hours later. Repeat until the period of risk is considered to be over (usually 2 or 3 days).

No withdrawal Period**Pharmaceutical Precaution:**

Store in original container in a cool, dry place.

Store out of reach of sunlight.



Poly-Wormerzine 53%

Active Ingredients

Piperazine dihydrochloride 97%

Use:

Used for the removal of large roundworms in poultry, large roundworms and nodular worms in swine and parasitic worms in horses. It can be easily mixed with water or feed and offers all the advantages of piperazine wormers- free from side effects, no purging required, easy to use and effective. Treatment can be repeated in 30 days if required. For best results, ample water or feeding space is required.

Directions for use:

Chickens and turkeys (Water mixing): Remove regular source of water the night before treatment. Supply only medicated water during treatment period. Prepare medicated water by adding 400g (1 pouch) to 320L of water. Give medicated water to birds in the morning. Return to regular water supply after treatment (usually 4 to 8 hours).

Chickens (Feed mixing): Prepare medicated feed by adding 400g (1 pouch) to 200kg of feed.

Turkeys (Feed mixing): Prepare medicated feed by adding 400g (1 pouch) to 100kg of feed.

Swine (Water mixing): Remove regular source of water the night before treatment. Supply only medicated water during treatment period. Add 400g (1 pouch) to 130L of water.

Swine (Feed mixing): Prepare medicated feed by adding 400g (1 pouch) to 70kg of feed. Feed until consumed.

Horses (water or feed mixing): Administer 20g of powder for each 100kg of body weight.

Withdrawal Period:

Do not medicate prior to slaughter within 14 days for turkeys and chickens and 21 days for swine. Do not use in chickens producing eggs for human consumption.

Pharmaceutical Precaution:

Store between 15° and 25°C

Protect from moisture.



Prazivet Plus

Active Ingredients:

Praziquantel, Pyrantel pamoate, Febantel.

Use:

For the control of tapeworms, roundworms, hookworms and whipworms in dogs and puppies. Used for deworming dogs over 3 weeks old who weigh at least 500g (1lb)

Directions for use:

1 tablet per 10kg (22 lbs) bodyweight.

The tablets can be given directly to the dog or disguised in food. No starvation is needed before or after treatment.

Dosage:

Weight 1/2-2 kg = 1/4 tablet

Weight between 2 and 5 kg = 1/2 tablet

Weight between 6-10 kg = 1 tablet

Weight between 11-15 kg = 1 1/2 tablets

Weight between 16-20 kg = 2 tablets

Weight between 21-25 kg = 2 1/2 tablets

Weight between 26-30 kg = 3 tablets

Weight between 31-35 kg = 3 1/2 tablets

Weight between 36-40 kg = 4 Tablets

Pharmaceutical Precaution:

For the control of Toxocara, nursing bitches should be dosed 2 weeks after giving birth and every two weeks until weaning. Puppies should be treated at 2 weeks until 12 weeks of age. Thereafter they should be treated at 3 month intervals. It is advisable to treat the bitch at the same time as the puppies. For routine control adult dogs should be treated every 3 months. In the event of heavy roundworm infestation a repeat dose should be given after 14 days.

Do not exceed recommended dose when treating pregnant bitches. Do not use simultaneously with piperazine compounds. Consult a Veterinary Surgeon before treating pregnant bitches for round worms. Tapeworm infestation is certain to recur unless control of intermediate hosts such as fleas, lice etc. is undertaken.

Keep out of the reach of children.

Do not use after expiry date.



Progesterone 5% Sterile Injection

Active Ingredients:

Progesterone 50 mg

Use:

Hormone for use in habitual abortion, threatened abortion, nymphomania, sterility, mammary underdevelopment, and oestrus control.

Directions for use:

By intramuscular route only.

Cows and mares: 50 to 100 mg per animal daily, as needed.

Sheep and goats: 10 to 15 mg per animal daily, as needed.

Sows: 15 to 25 mg per animal daily, as needed.

Dogs and cats: 2 to 4 mg per kg of body weight daily, as needed.

No withdrawal Period**Pharmaceutical Precaution:**

Overdose may cause cystic ovaries.

Store between 15°C and 25°C.



Puppy Boost

Description:

Nutritional supplement for newborn puppies and kittens.

Active Ingredients:

Triglycerides, essential fatty acids and glucose, lactic acid bacteria, package of vitamins, iron in the form of sulphate, special plant extract blends (kola, guarana) and a profile of 18 amino acids, colostrum, vitamin A, B1, B2, B6, B12, PP, C, tonic herbal extracts (Kola, Guarana), iron (in the form of sulphate), flavouring (sweet taste).

Use:

Immediately available energy in order to help puppies to access the maternal colostrum. Aids in activity and tonicity stimulation from a special plant extracts blend. Puppy Boost also helps to improve the physical condition, suckling ability and resistance due to stress. Used for weak, small and underweight animals; long whelping and in case of parturition problems.

Directions for use:

Introduce the nozzle on to the back of the puppies' tongue. Give one dose (1 ml) and allow the puppy to swallow. Repeat 5 hours later and on the second day of life.

No withdrawal Period

Pharmaceutical Precaution:

Store at Ambient temperature.
Store away from direct sunlight.



Pure MSM (1lb)

Description:

MSM (methylsulfonylmethane) is a form of organic sulfur found in small amounts in almost all living organisms, including body fluids and tissues, mother's milk and most plants, but natural MSM is often lost in food processing. MSM powder is 100% pure; MSM pellets deliver MSM in a convenient, palatable alfalfa-based pellet. Both are highly bio-available sources of dietary sulfur, which is essential for healthy joints and ligaments.

Active Ingredients:

Methylsulfonylmethane (MSM)

Use:

Used to promote healthy joints and ligaments. MSM is a naturally occurring sulfur compound known for its ability to help horses with stiffness and discomfort associated with exercise and normal daily activity. In addition, this economical supplement may help with itchy skin due to environmental or seasonal conditions, and may also help maintain normal respiratory function

Directions for use:

Give 1/3 ounce twice daily for 7 days.

After 7 days, give one scoop daily for maintenance.

Enclosed scoop holds 1/3 oz.

Pharmaceutical Precaution:

Keep out of reach of children.

Store at ambient temperature.



Pure Neatsfoot Oil (1 Pint)

Active Ingredients:

Lard

Use:

Prime Neatsfoot Oil Compound is a blend of pure neatsfoot oil and other conditioning oils. Horse Health Prime Neatsfoot Oil Compound conditions, softens and preserves fine leather articles exposed to hard work and weather. Replenishes leather's natural oils lost through use; extends the life of the leather.

Directions for use:

Clean item to be treated with lukewarm water and saddle soap.

Apply Horse Health Neatsfoot Oil Compound with a soft cloth while leather is damp, but not wet.

Use freely, applying several coats if necessary.

If gloss is desired, buff with a clean cloth when dried.

Do not use treated leather item until thoroughly dried.

Contraindications:

Oil will darken leather. Not intended for leather to be highly polished. Not for use on suede.

Pharmaceutical Precaution:

Keep out of reach of children.

Store in a cool dry place.



Raw Linseed Oil (Flaxseed Oil) (750 ml)

Active Ingredients:

Omega 3 fatty Acids.

Use:

Supplement for animals- raw linseed oil is well known as a dietary supplement for horses and dogs. It is an excellent source of essential omega-3 fatty acids, which help to improve the glossiness of the coat and to eliminate skin problems. It may also aid in the prevention of sand colic and increase the energy and stamina of the animal. It has been used as a purgative in larger dogs although this should only be carried out under the control of a qualified veterinarian.

Directions for use:

Dogs: 5-10 ml daily with food

Horses: To be taken with regular feeds

Foals: 15ml

Yearlings: 30ml

Adults: 60 ml

No withdrawal Period

Pharmaceutical Precaution:

Store above 20°C.

Keep out of reach of children

RECOMBITEK® C6



Description:

RECOMBITEK® C6 contains a lyophilized suspension of a recombinant canarypox vector expressing the HA and F glycoproteins of canine distemper virus; modified live adenovirus type 2, parainfluenza virus, and parvovirus; and a liquid suspension of inactivated cultures of *L. canicola* and *L. icterohaemorrhagiae*. Safety and immunogenicity

of this product have been demonstrated by vaccination and challenge tests in susceptible dogs.

Active Ingredients:

Canine Distemper-Adenovirus Type 2-Parainfluenza-Parvovirus Vaccine Modified Live Virus, Live Canarypox Vector, *Leptospira Canicola*-*Icterohaemorrhagiae* Bacterin

Use:

RECOMBITEK® C6 is recommended for the vaccination of healthy dogs 6 weeks of age and older for prevention of disease due to canine distemper virus, canine parvovirus, canine adenovirus type 1 (canine hepatitis), canine adenovirus type 2 (canine respiratory disease complex), canine parainfluenza virus, and the bacteria *L. canicola* and *L. icterohaemorrhagiae*.

Directions for use:

Reconstitute the lyophilized vaccine with accompanying liquid diluent and aseptically inject 1 mL (1 dose) subcutaneously or intramuscularly into healthy dogs. For primary vaccination, revaccinate with a second 1 mL dose 2 to 3 weeks later. Dogs younger than 12 weeks of age should be revaccinated with a single 1 mL dose every 2 to 3 weeks, the last dose given at or over 12 weeks of age. Revaccinate annually with a single 1 mL dose.

Pharmaceutical Precaution:

Store at 2-7°C (35-45°F). Do not freeze. Use immediately after reconstitution. Do not use chemicals to sterilize syringes and needles. Burn container and all unused contents. Contains gentamicin as a preservative. Avoid vaccination of pregnant dogs. In rare instances, administration of vaccines may cause lethargy, fever, and inflammatory or hypersensitivity types of reactions. Transient lethargy, as well as pain and swelling at the site of injection, may occur following use of this product. Treatment may include antihistamines, anti-inflammatories, and/or epinephrine, as directed by a veterinarian.

SOLD TO VETERINARIANS ONLY.

For Veterinary Use Only.



Red Cell (1 gallon)

Active Ingredients

Vitamin A Acetate, Cholecalciferol (source of Vitamin D3), Vitamin E Supplement, Menadione Sodium Bisulfite Complex (source of Vitamin K activity), Vitamin B12 Supplement, Riboflavin Supplement, Pyridoxine Hydrochloride (source of Vitamin B6), Folic Acid, Biotin, Thiamine Hydrochloride, d-Calcium Pantothenate, Niacinamide,

Choline Chloride, Manganese Sulfate, Ferric Sulfate, Copper Sulfate, Magnesium Sulfate, Zinc Sulfate, Ethylenediamine Dihydroiodide, Cobalt Sulfate, Potassium Chloride, Sodium Selenite, Water, Ammonium Hydroxide, Citric Acid (preservative), Sorbitol, Propionic Acid (preservative), Sodium Bicarbonate, Dried Kelp, Yucca Schidigera Extract, Artificial Cherry Flavoring, Potassium Sorbate (preservative).

Directions for use:

Horses in training: Feed 2 fluid ounces of Red Cell® supplement daily.

Horses not in training: Feed 1 fluid ounce of Red Cell® supplement daily. Feed Red Cell® supplement by mixing into daily feed ration or orally with a dose syringe.

No Withdrawal Period

Pharmaceutical Precaution:

Red cell is a vitamin iron mineral supplement for all classes of horses. Intake of supplemental selenium should not exceed 0.3 ppm on a complete ration basis. Store in a cool, dry place. Shake well before using. Keep from freezing. Close container after each use.

Caution: Follow label directions. The addition to feed of higher levels of this premix containing selenium is not permitted. Store in area inaccessible to children and animals. Excessive amounts of selenium may be toxic. This product should not be fed to copper sensitive animals, such as sheep.

For all classes of horses.

For animal use only.

Keep out of reach of children.



Redglo

Description:

Homogenized energy building, highly palatable liquid multi-vitamin supplement for all classes of horses. Totally in solution to ensure rapid and maximum absorption by the horse.

Active Ingredients:

Water, Sugar, Ferric Ammonium Citrate, Choline Chloride, Polysorbate 80, Niacinamide, Sodium Carboxymethyl Cellulose, Natural & Artificial Flavors, Citric Acid (a preservative), Yeast Extract, DL-Methionine, Thiamine Mononitrate, Inositol, Vitamin E Supplement, Riboflavin, Vitamin A Supplement, Vitamin D Supplement, Methyl Paraben, d-Pantothenic Acid, p-Aminobenzoic Acid, Pyridoxine Hydrochloride, Propyl Paraben, Folic Acid, Artificial Colors, Menadione Sodium Bisulfite Complex, d-Biotin, Sodium Selenite, and Vitamin B12 Supplement.

Use:

To enhance performance, endurance, and stamina of all classes of horses – training and non-training.

Directions for use:

For horses in training, feed two ounces of Redglo® once or twice daily.

For horses not in training, feed one ounce daily. Mix into daily feed ration or feed orally by syringe.

No Withdrawal Period

Pharmaceutical Precaution:

Follow label directions. The addition to feed of higher levels of this supplement containing selenium is not permitted. Overdosing may be toxic.

For Animal use only.

Contains no beef product ingredients.

Keep Out of Reach of children.



Safersan Wormer

Active Ingredients:

Piperazine dihydrochloride 97%

Use:

A dry free-flowing soluble powder for the removal of large round worms in poultry and swine; nodular worms in swine and parasitic worms in horses.

Directions for use:

(Feed mixing):

Chickens: 350g to 175kg (385 lbs) of feed.

Turkeys: 350g to 87.5 (192.5 lbs) of feed.

Swine: 350g to 61kg (135 lbs) of feed.

Horses (Water or feed mixing): Administer 20g (4 tsp) of powder for each 100kg (220 lbs) of bodyweight.

(Water mixing):

Chickens and turkeys: 350g to 280L (74 gallons) of water. Give medicated water to birds in the morning. Return to the regular water supply after treatment (usually 4-8 hours)

Swine: 350g to 114L (30 gallons) of water. Give medicated water in the morning. After it is consumed return to normal water supply..

Withdrawal Period:

Do not medicate prior to slaughter within 14 days for turkeys and chickens and 21 days for swine. Do not use in chickens producing eggs for human consumption.

Pharmaceutical Precaution:

Keep out of reach of children.

Store in a cool dry place.



Silvertone Flea Powder (220g)

Active Ingredients

Carbaryl (1-naphthyl), Methylcarbamate

Use:

Control fleas, ticks and lice infestations in dogs.

Directions for use:

Apply liberally to animal and rub thoroughly into skin. Apply to feet, between toes and on legs. Dust in and around sleeping quarters. Repeat every 7 days if necessary.

Pharmaceutical Precaution:

Shake well.

Keep out of reach of children.

For external use only.

Harmful if swallowed or inhaled.

Avoid contact with skin and wash thoroughly after handling.

Avoid contamination of feed and food stuffs.

Do not treat kittens or puppies under 4 weeks old.



Silvertone Shampoo (230 ml)

Active Ingredients:

Gamma benzene hexachloride

Use:**Eliminates fleas, ticks, and lice.**

As insecticidal shampoo that aids in building body luster and groomability to the coat. The insecticidal ingredient works fast and effectively to kill fleas, ticks and lice.

Directions for use:

Thoroughly wet the animal with water. Apply enough shampoo and work into rich lather. Allow to remain for 10 minutes. Rinse, comb through with a fine tooth comb. Repeat when necessary.

Pharmaceutical Precaution:

Not for use on Cats

Discontinue in case of local irritation.

Store away from heat.



Smart Line Animal Wound Powder (3 fl.oz)

Active Ingredients

Gentian violet 1.5
Sulphathiazole 6%
Zinc oxide 10%
Boric acid 0.5%

Use:

Quickly and safely heals and protects wounds, skin abrasions, keeps flies away and prevents re-infection. Antiseptic and antibacterial.

Directions for use:

Lift spout and gently squeeze moderate amount of powder evenly into the wound. Repeat once or twice daily for seven (7) days or longer if necessary.

Pharmaceutical Precaution:

Use protective wear.
Keep away from children.
Store in a cool, dry place.



Smart line Pet Products

Flea & Tick Dog Shampoo

Active Ingredients:

Cypermethrin, Piperonyl Butoxide, Technical.

Use:

Flea and Tick Treatment for Dogs

Directions for use:

Wet coat for 2-3 mins with warm water. Lather shampoo onto head and ears. Repeat procedure with neck, chest, middle and hindquarters, finishing legs last. Pay special attention to the footpads and under body area. Wash head and ears carefully, keeping shampoo out of animal's eyes. Note: A drop of glycerine before bathing may reduce irritation. Pay special attention to the base of the tail. It's a place frequented by fleas. Fully lather animal and let lather remain 8-10 mins before rinsing.

No withdrawal Period**Pharmaceutical Precaution:**

Store in a cool, dry place.

Keep away from children.

For animal use only.



Smart Line Pet Products

Terr-ific Relief Shampoo

Active Ingredients:

Refined Tar Solution, Sulfur & Coat Conditioners.

Use:

Excellent as a treatment for generalized skin conditions such as moist or dry patches of skin, and in the control of scaling and odor in Dogs and puppies.

Directions for use:

Wet coat thoroughly. Starting with the pet's head and neck (avoid contact with eyes), and working back to the tail, apply sufficient shampoo to create a rich lather. Allow to stand for 3-5 minutes before rinsing. Rinse thoroughly and repeat if necessary. Frequent use of Terr-ific Shampoo is dependent upon severity of condition – from once daily to once every one to two weeks.

No withdrawal Period**Pharmaceutical Precaution:**

Store in a cool, dry place.

Keep away from children.

For animal use only.



Sofradex Ear/Eye Drops

Active Ingredients:

Framycetin sulphate .05%, Dexamethasone (as dexamethasone sodium metasulphobenzoate).05% Gramicidin .005%

Use:

To kill bacteria causing infections in the eye and ear.

Directions for use:

Use in the eye

Squeeze one or two drops inside the lower lid of eye without touching your eye with the bottle. Close your eye. Wipe away any excess drops with a clean tissue. Always put the cap back on the bottle as you have used it.

Use in the ear

Tilt your head on one side. Squeeze two or three drops into your ear. Lie your head with your affected ear facing upwards for a few minutes. Wipe away any excess drops with a clean tissue. Always put the cap back on the bottle as soon as you have used it.

Dosage: one or two drops in the affected eye six times a day or more if advised by your doctor. Two or three drops in the ear three or four times a day. Keep using as instructed by your doctor.

No withdrawal Period

Pharmaceutical Precaution:

Store in a cool, dry place.
Keep away from children.



Solvitec Spectrum (1000 ml)

Active Ingredients:

Vitamin A, D3, E, K, B1, B2, B6, B12, nicotinic acid, pantothenic acid, folic acid and biotin

Use:

Solvitec spectrum is a general purpose multi vitamin preparation for strategic use in poultry whenever additional supplementation of a balanced multi vitamin is required. Solvitec spectrum gets chicks off to a good start; helps meet daily vitamin requirement during periods of reduced feed intake or increased physiological requirement for vitamins such as handling, vaccination, transport, environmental stress and disease recovery. It also helps to ensure maintenance of peak egg production and helps maintain rapid growth.

Directions for use:

For oral administration.

Administer 100ml per 300-800 litres of drinking water for 3-5 days.

This dosage is for:

Day old chick to 5 days.

3 days prior to transfer or vaccination.

3-5 days every month for peak egg production.

During periods of environmental, physiological, and management related stress.

No withdrawal Period

Pharmaceutical Precaution:

Keep away from small children.

Store in a cool, dry place.



Spectabilin

Active Ingredients:

Linomycin (as linomycin hydrochloride)	50.0 mg 56.7 mg
Spectinomycin (as spectinomycin sulfate)	100.0 mg 151.2 mg

Use:

Linomycin is highly effective against gram positive cocci. The spectrum of spectinomycin also includes gram negative bacteria.

Treats infections of the respiratory and gastrointestinal tracts, pyogenic skin infections, wound infections, abscesses, bacterial arthritis, cystitis and metritis.

Directions for use:

By intramuscular injection, once daily for 3-7 days.

Cattle	10 ml/ 100 kg b.w
Calves, pigs, sheep	5 ml/50 kg b.w
Dogs and cats	1 ml/5kg b.w

Withdrawal Period:

Meat and offal: 21 days; Milk: 2 days.

Pharmaceutical Precaution:

Store at a cool place [15-25°C].

Keep out of reach of children.

For animal use only.



Sulfamid (16 FL OZ (454ml))

Active Ingredients:

Sodium sulphadimidine, Drinking water, Antibacterial solution 12.6%.

Use: For the control and treatment of the following diseases when caused by one or more organisms sensitive to sulphadimidine.

Cattle: Bacterial pneumonia and Bovine, Respiratory Disease complex, Bacterial scours, Foot rot, Calf Diphtheria, Acute Mastitis, and Acute Metritis

Pigs: Bacterial scours, Pneumonia.

Chickens: Infectious Coryza, Coccidiosis, Acute Fowl Cholera, Pullorum Disease.

Turkeys: Coccidiosis.

Directions for use:

Cattle, Calves and Pigs: 1st DAY-3fl.oz for each 100lb body weight; 2nd, 3rd and 4th day- 1 ½ fl.oz for each 100lb body weight. Add the required dose as above to drinking water that will be consumed in one day.

Chicken and Turkeys: Add 1fl.oz to each 1Gallon (U.S.128fl oz.) of drinking water or contents of this container to 16 gallons (U.S.) consumption of water should be carefully checked in one day in order to ensure adequate medication intake.

Once A Day Dosage in drinking water. Prepare Fresh solution daily. Always consult a veterinarian for treatment and control of animal and poultry disease. Ensure correct SULFAMID dosage and only medicated water may be given during treatment. Cattles and calves not drinking or eating must be drenched. Animals and poultry on medication must consume enough medicated water to be effective. Check consumption of medicated water carefully. SULFAMID works fast. If symptoms persist after using for two or three days consult a veterinarian. Excessive dosage may cause toxic reactions. Hatchability of eggs laid during medication may be adversely affected for short period. Treatment of all diseases should be started immediately and should be continued for 24 hours to 48 hours after symptoms have disappeared, but not to exceed a total of 5 consecutive days in cattle or pigs.

Sulfamid (16 FL OZ (454ml)) (continued)

Withdrawal Period:

Withdraw medication from chickens, Turkeys, cattle and calves, ten (10) days prior to slaughter for food and fifteen (15) days for pigs. DO NOT use in lactating dairy cattle, or on chickens and turkeys producing eggs for human consumption.

Pharmaceutical Precautions:

Wear protective gear.

Wash hands after using SULFAMID.

Keep out the reach of children.



Super 14

Active Ingredients:

Corn oil, soybean oil, soybean flour, dextrose, vitamin A acetate, zinc methionine, dl-alpha-tocopheryl acetate (source of vitamin E), pyridoxine hydrochloride [source of vitamin B 6], calcium silicate, sodium selenite, mixed tocopherols, citric acid, and ascorbic acid (as preservatives), and artificial flavourings.

Use: Super 14™ provides a specially formulated combination of polyunsaturated fatty acid nutrients useful in normal skin nutrition. Contains corn oil and soybean oil. High in polyunsaturated fatty acids. SUPER-PALATABLE Super 14 contains flavorizing agents which make the formula highly acceptable to all animals. Just feed morning and night on top of the grain.

Directions for use:

Enclosed scoop holds 1 tablespoon.

FOR HORSES: Feed 2-3 tablespoons of Super 14 twice daily with the feed - once in the morning and once again in the evening. Sprinkle over the feed or mix.

FOR DOGS AND CATS: Sprinkle Super 14 over the pet's ration once each day in the proper amount indicated below:

Weight of Pet/Amount per Day

Up to 15 lbs.: Half level Tablespoon.

15 to 30 lbs.: One level Tablespoon

30 to 60 lbs.: Two level Tablespoons

Over 60 lbs.: Three level Tablespoons

For horses and dogs with coats in particularly poor condition, feed twice the recommended level for the first two weeks and then reduce to the usual level.

Pharmaceutical Precautions:

Keep out of reach of children.



Super Booster

Water Soluble Antibiotic and Vitamin Premix

Active Ingredients:

	per 100 g pouch	per 400 g pouch
Penicillin G potassium	4 961 333 I.U.	19 845 332 I.U.
Streptomycin sulfate	15 333 mg	61 332 mg
Vitamin A	750 000 I.U.	3 000 000 I.U.
Vitamin D3	250 000 I.U.	1 000 000 I.U.
Vitamin B12	241 mcg	964 mcg
Riboflavin	333 mg	1 332 mg
Calcium d-pantothenate	750 mg	3 000 mg
Niacinamide	2 500 mg	10 000 mg
Pyridoxine HCl	326 mg	1 304 mg
Vitamin K3	333 mg	1 332 mg
Vitamin E (dl-alpha-tocopheryl acetate)	750 I.U.	3 000 I.U.

Use:

A water soluble vitamin premix medicated with penicillin G potassium and streptomycin sulfate.

Chickens and turkeys: As an aid in starting chicks and poults by stimulating feed intake and growth; promotes health and vigor and helps overcome the effects of stress. Stimulates feed intake and maintains weight gain when birds are expected to be exposed to mild attacks of chronic respiratory disease (CRD) and infectious sinusitis or transmissible enteritis in turkeys.

Swine and calves: As an aid in the treatment of bacterial enteritis (scours).

Directions for use:

Chickens and turkeys: Starting chicks and poults: Dissolve 100 g of powder in 180 L, or 400 g of powder in 720 L of drinking water and give orally for the first 4 days.

CRD, infectious sinusitis and transmissible enteritis: Dissolve 100 g of powder in 180 L, or 400 g of powder in 720 L of drinking water and give orally for 4 or 5 days, at the first sign of outbreak.

For automatic proportioner: Set the apparatus to distribute 30 mL stock solution per 3.78 L of drinking water (1 oz./gallon U.S.). Prepare the stock solution by dissolving 100 g of powder in 1.43 L, or 400 g of powder in 5.7 L of water. This will medicate 180 L, or 720 L of drinking water.

Swine: Dissolve 300 g of powder in 250 L, or 400 g of powder in 330 L of drinking water and give orally for 4 or 5 days.

For automatic proportioner: Set the apparatus to distribute 30 mL stock solution per 3.78 L of drinking water (1 oz./gallon U.S.). Prepare the stock solution by dissolving 400 g of powder in 2.6 L of water. This will medicate 330 L of drinking water.

Calves: Administer 4 g of powder per 45 kg of body weight; mix with water or milk and give orally every 12 hours for 2 or 3 days.

These solutions are stable for more than 24 hours. Prepare fresh solutions daily. Give no other drinking water during treatment. Provide ample water space. Proper sanitary measures should prevail. If no improvement is noted after 5 days, the diagnosis should be redetermined.

Withdrawal Period:

Treated animals must not be slaughtered for use in food during treatment and for at least 5 days after the latest treatment with this drug. Eggs obtained from treated birds during treatment and within 5 days after the latest treatment with this drug must not be used in food.

Pharmaceutical Precaution:

Store in a cool, dry place.

Keep away from children.

For animal use only.



Super Hiprovit with Celmanax

(Water soluble vitamins and electrolytes)

Active Ingredients:

Vitamin A, D3, E, C & B12, riboflavin, niacin, pantothenic, menadione, folic acid, thiamine, pyridoxine, biotin, sodium, potassium chloride and amino acid, and celmanax.

Use:

To aid in stimulating appetite, preventing vitamin deficiencies and electrolyte imbalance due to conditions of stress, extreme temperatures, disease or low feed intakes.

The added benefit of Celmanax includes:

- Increases Average Weight Gain
- Promotes Rapid Growth Rate
- Strengthens Immune System
- Helps reduce heat stress
- Binds Harmful pathogen/toxin, eventually neutralise their negative impact
- Reduces overall Medication Cost
- Improves feed conversion
- Helps reduce morbidity in birds infected with E.coli and coccidiosis.
- Helps reduce salmonella colonization.

Directions for use:

Mix 1 ½ ounce (42 grams) in 50 gallons of drinking water. Prepare fresh solutions daily for 3-7 days.

For animal use only, not for human consumption.

Make a fresh stock daily, the medicated water should be the only source of drinking water.

No withdrawal Period

Pharmaceutical Precaution:

Store in a cool, dry place.



Source (5lb)

Description:

A unique proprietary blend of pure dehydrated seaweed meal. Includes at least 60 elements and their assorted micronutrient compounds.

Active Ingredients:

Crude Protein, Crude Fat, Crude Fiber, Iodine dehydrated seaweed meals.

Use:

Source is an extremely broad-spectrum horse supplement with at least 60 elements and their associated micronutrient compounds in a biologically active form. Source contains small amounts of naturally occurring vitamins, including the 14 currently recognized "essential trace elements" and the 21 trace elements now under special consideration with respect to essentiality, plus other unidentified associative factors whose role in nutrition has not yet been established.

Directions for use:

Feeding Directions: Mix 1 heaping measure (included) (1/2 oz/14 gr) per day with feed, even during hard training, pregnancy and lactation or breeding. Amount based on 1,000 lb (450 kg) body weight. Adjust accordingly. A level measure holds 3 teaspoons, a heaping measure holds 4 teaspoons. Feed 1 teaspoon per 250 lb body weight. Do not exceed recommended feeding levels.

No withdrawal Period

Pharmaceutical Precaution:

Keep in a cool dry place.

For use in animals only.



SCARLEX® Scarlet Oil Spray

Active Ingredients:

Methyl Salicylate .45%, P-Chloro-M-Xylenol .45%, Benzyl Alcohol 2.80%.

Use: Scarlex® Scarlet Oil Spray Wound Dressing is a soothing, slow-drying antiseptic dressing for minor skin lesions, surface wounds, cuts, and burns. Used also for superficial dermatitis. Contains 500 applications. Slow-drying Antiseptic Dressing, Spray Wound Dressing, Antiseptic, Germicidal, Fungicidal.

Farnam® Scarlex® Scarlet Oil Spray Wound Dressing provides your favorite Scarlet Oil dressing in an easy-to-use pressurized spray bomb, with P-Chloro-M-Xylenol added. P-Chloro-M-Xylenol is both a germicide and fungicide, and many times more powerful than Phenol, yet is non-irritating to skin tissue.

Directions for use:

Remove protective cap. Point nozzle opening toward wound or affected area to be treated. Spray from a distance of 2 to 4 inches. Release spray by pressing valve stem down for just an instant. A one second application over the area to be treated provides an adequate dosage. Application should be repeated daily until healing takes place. When possible, affected areas should be clean and dry prior to application. Do not use on exceedingly large areas or in deep wounds.

Pharmaceutical Precaution

For external use only. In case of deep or puncture wounds or serious burns, consult veterinarian. If redness, irritation, or swelling persists or increases, discontinue use and consult a veterinarian. Avoid contact with eyes and mucous membranes. This product is to be used on non-food producing animals only.

DANGER! EXTREMELY FLAMMABLE.

Do not spray near sparks, heat, or open flames.

Vapors will accumulate readily and may ignite explosively

Keep area ventilated during use and until all vapors are gone.

DO NOT SMOKE - Extinguish all sources of ignition.

CONTENTS UNDER PRESSURE.



ToDAY®

Active Ingredients:

Cephapirin sodium

ToDAY (cephapirin sodium) is a cephalosporin which possesses a wide range of antimicrobial activity against gram-positive and gram-negative organisms.

Use:

For the treatment of Bovine Mastitis in Lactating Cows.

ToDAY (cephapirin sodium) for Intramammary Infusion should be used at the first signs of inflammation or at the first indication of any alteration in the milk. Treatment is indicated immediately upon determining, by C.M.T. or other tests, that the leukocyte count is elevated, or that a susceptible pathogen has been cultured from the milk.

ToDAY for Intramammary Infusion has been shown to be efficacious in the treatment of mastitis in lactating cows caused by susceptible strains of *Streptococcus agalactiae* and *Staphylococcus aureus* including strains resistant to penicillin.

Directions for use:

Infuse the entire contents of one syringe (10 mL) into each infected quarter immediately after the quarter has been completely milked out. Repeat once only in 12 hours. If definite improvement is not noted within 48 hours after treatment, the causal organism should be further investigated. Consult your veterinarian.

Milk out udder completely. Wash the udder and teats thoroughly with warm water containing a suitable dairy antiseptic and dry, preferably using individual paper towels. Carefully scrub the teat end and orifice with 70% alcohol, using a separate swab for each teat. Allow to dry.

For partial insertion: Twist off upper portion of the Opti-Sert Protective Cap to expose 3-4 mm of the syringe tip.

For full insertion: Remove protective cap to expose the full length of the syringe tip.

Insert syringe tip into the teat canal and expel the entire contents of one syringe into each infected quarter. Withdraw the syringe and gently massage the quarter to distribute the suspension into the milk cistern. Do not milk out for 12 hours.

Do not infuse contents of the mastitis syringe into the teat canal if the Opti-Sert Protective Cap is broken or damaged.

ToDAY® (continued)

Reinfection: The use of antibiotics, however effective, for the treatment of mastitis will not significantly reduce the incidents of this disease in the herd unless their use is fortified by good herd management, and sanitary and mechanical safety measures are practiced to prevent reinfection.

Withdrawal Period:

1. Milk that has been taken from animals during treatment and for 96 hours after the last treatment must not be used for food.
2. Treated animals must not be slaughtered for food until 4 days after the last treatment.
3. Administration of more than the prescribed dose may lead to residue of antibiotic in milk longer than 96 hours.

Pharmaceutical Precautions:

ToDAY should be administered with caution to subjects which have demonstrated some form of allergy, particularly to penicillin. Such reactions are rare; however, should they occur, consult your veterinarian.



ToMORROW®

Active Ingredients:

ToMORROW (cephapirin benzathine) for INTRAMAMMARY INFUSION into the DRY COW is a product which provides a wide range of bactericidal activity against gram-positive and gram-negative organisms.

Each 10 mL disposable syringe contains 300 mg of cephalapirin activity in a stable peanut oil gel. This product was manufactured by a non-sterilizing process.

Use:

For the treatment of mastitis in dairy cows during the dry period. ToMORROW has been shown by extensive clinical studies to be efficacious in the treatment of mastitis in dry cows, when caused by *Streptococcus agalactiae* and *Staphylococcus aureus* including penicillin-resistant strains. Treatment of the dry cow with ToMORROW is indicated in any cow known to harbor any of these organisms in the udder at drying off.

Directions for use:

ToMORROW (cephapirin benzathine) is for use in dry cows only. Infuse each quarter at the time of drying off with a single 10 mL syringe. Use no later than 30 days prior to calving.

Completely milk out all four quarters. The udder and teats should be thoroughly washed with warm water containing a suitable dairy antiseptic and dried, preferably using individual paper towels. Carefully scrub the teat end and orifice with 70% alcohol, using a separate swab for each teat. Allow to dry.

ToMORROW is packaged with the Opti-Sert® Protective Cap.

For partial insertion: Twist off upper portion of the Opti-Sert Protective Cap to expose 3-4 mm of the syringe tip.

For full insertion: Remove protective cap to expose the full length of the syringe tip.

Insert syringe tip into the teat canal and expel the entire contents of syringe into the quarter. Withdraw the syringe and gently massage the quarter to distribute the medication.

Do not infuse contents of the mastitis syringe into the teat canal if the Opti-Sert Protective Cap is broken or damaged.

ToMORROW® (continued)

Withdrawal Period:

1. For use in dry cows only.
2. Not to be used within 30 days of calving.
3. Milk from treated cows must not be used for food during the first 72 hours after calving.

Any animal infused with this product must not be slaughtered for food until 42 days after the latest infusion

Pharmaceutical Precautions:

ToMORROW should be administered with caution to subjects which have demonstrated some form of allergy, particularly to penicillin. Such reactions are rare; however, should they occur, consult your veterinarian.

Keep out of reach of children.



TRACE Mineralized Stock Salt

Active Ingredients:

Sodium Chloride NaCl 96.5% (minimum), Zinc Zn 4000 mg/kg (actual), Iron Fe 1600 mg/kg (actual), Manganese Mn 1200 mg/kg (actual), Copper Cu 330 mg/kg (actual), Iodine I 100 mg/kg (actual), Cobalt Co 40.

Use:

Your first choice for weight gain, feeding efficiencies and overall herd performance. Formulated for all classes of beef and dairy cattle, pigs and horses. Trace Mineralized Stock Salt is by far our most popular mineralized Ag salt. It contains the following six core micronutrients required for basic animal health:

Zinc: Helps improve digestion, fertility and growth. Deficiency symptoms include loss of appetite and stunted growth.

Manganese: Helps improve fertility and increases growth rates. Deficiency symptoms include weakness, slow growth, stiff joints and high birth mortality.

Cobalt: Improves appetite, digestion and weight gain. Cobalt is used for Vitamin B12 synthesis, which is essential for appetite stimulation and normal protein, carbohydrate and mineral metabolism. Deficiency symptoms include decreased birth rates, weak calves, decreased appetite, listlessness, anemia and low weight gain.

Copper: Prevents infertility and stunted growth, necessary for iron absorption to produce normal red blood cells. Increases milk production. Mineral most likely to be deficient in grazing cattle. Deficiency symptom is hair discoloration around the eyes and ears.

Iodine: Helps increase metabolism and improves fertility. Deficiency symptoms include decreased birth rates, early embryonic mortality, weak calves, retained placenta, sluggishness, goiters and sensitivity to heat or cold.

Iron: Helps increase oxygen levels and overall body tissue health. Deficiency symptoms include anemia and fatigue.

Directions for use:

Feed free choice to livestock.

Pharmaceutical Precautions

CAUTION: Sheep are copper sensitive. Consult a qualified nutritionist or veterinarian to determine the suitability of this product.



Triatix

Active Ingredients: Amitraz

Use: For total control of ticks, lice and mange on cattle, sheep, goats, pigs and dogs.

Directions for use:

For cattle, pigs, sheep and goats: single and multi-host ticks, biting and sucking lice.

Dilute Triatix concentrate with water as follows:

Handspraying

Ticks: Cattle, sheep, goats – 1:700 (1.43 ml/litre) or One teaspoonful per gallon of water.

Lice: Cattle, sheep, goats – 1:700 (1.43 ml/litre) or One teaspoonful per gallon of water.

Mange: Cattle, goats – 1:500 (2.00 ml/litre) or One and a half teaspoons (7.5ml) per gallon of water.

Lice/mange: Pigs – 1:250 (4.00 ml/litre) or Three teaspoonfuls (15ml) of Triatix per gallon of water. Animals should be sprayed thoroughly so that the entire body of the animal is wet.

Sprayance

For cattle: Initial fill – 1:700 (1.43 ml/litre) or One teaspoonful (5ml) per gallon of water; Boosting- 150 ml per 100 head

Cycle of treatment:

For the control of multi-host ticks, spraying should be repeated 7-14 days.

For the control of single host ticks, 25-28 days. For the control of lice and mange, animals should be sprayed twice 10-12 days apart. Triatix is biodegradable and should not be retained after spraying is completed.

As a wash:

For dogs, before treatment, consult veterinarian. For the control of ticks, dilute Triatix concentrate with water as follows: 1:700 (1.43 ml/litre) or One teaspoonful (5ml) per gallon of water.

For the control of saroptoc mange and demodectic mange, dilute Triatix with water 1:250 (4ml/litre) or 15ml (3 teaspoonful) per gallon of water.

Pour over dog and rub in thoroughly. Repeat 7 days later. If necessary, repeat at 10 day interval.

Pharmaceutical Precaution

Keep out of reach of children.

Wear Protective clothing and rubber gloves during use.

Wash hands and body after using this product.

Triatix should not be used on horses and donkeys.

Do not breathe in vapour.

Keep container in a tightly closed and store in a cool dry place.



Trisulvitrim

Active Ingredients:

Trimethoprim 4.0g, Sulfamethazine sodium 37.8g, Sulfamerazine sodium 14.9g, Sulfathiazole sodium 30.2g, Vitamin A 53 333 I.U./U.I., Vitamin D3 17 777 I.U./U.I., Riboflavin 44.4 mg, Niacin 666.0 mg, d-panthothenic acid 155.0 mg, Vitamin B12 0.5 mg, Magnesium sulfate 44.4 mg, Sodium acetate 622.0 mg, Sodium chloride 700.0 mg, Calcium chloride 55.5 mg, Potassium chloride 55.5 mg

Use:

For the prevention and treatment of bacterial infections such as bacterial enteritis, bacterial pneumonia, Salmonellosis, Coccidiosis and shipping fever.

Directions for use:

Chicken and turkeys

100g (1 pouch) in 366 L of drinking water for 5 to 10 days.

Swine, sheep and cattle

100g (1 pouch) in 660 L of drinking water for 5 to 10 days.

Withdrawal Period

Treated animals must not be slaughtered for use as food for at least 10 days after the last treatment with this drug.

Pharmaceutical Precaution:

This drug must not be administered to lactating dairy animals. This product must not be added to swine feeds.

Protect from excessive heat and moisture.



Troscan 100

Active Ingredients:

Nitroscanate 100, titanium dioxide, iron oxide yellow, iron oxide black, iron oxide red

Use: The product is a broad spectrum anthelmintic for use in puppies and adult dogs for the treatment of infection by adult intestinal nematodes or cestodes.

Treats roundworms (*Toxocara canis*, *Toxocara cati*, *Toxascaris leonine*), hookworms (*Ancylostoma* spp, *Uncinaria*, *stenocephala*), whipworms (*Trichuris vulpis*), tapeworms (*Dipylidium caninum*, *Taenia pisiformis*). Limited control of *Echinococcus granulosus*.

Directions for use:

Minimum of 50 mg/kg bodyweight which is equivalent to 1 x 100mg tablet per 2 kg (4.4lb) bodyweight.

For oral administration. Troscan should be administered orally in the morning after overnight fasting with approximately one fifth of the daily food ration. The remaining food ration should be withheld for at least 8 hours.

1 x 100 mg tablet per 2 kg bodyweight.

DO NOT CUT OR CRUSH TABLETS. GIVE AS A WHOLE TABLET.

Contraindications:

Do not administer to sick or convalescing animals. Do not use in puppies of less than 3 weeks of age. Do not use in cases of hepatic dysfunction. Do not use in cases of known hypersensitivity to the active substance.

When the product is not administered as recommended occasionally vomiting may occur. If you notice any serious effects or other effects, please inform your veterinary surgeon.

Wash hands after use.

No withdrawal period

Pharmaceutical Precaution

Keep away from children.

Store in a cool, dry place.

Any unused product or waste material should be disposed of in accordance with national requirements.



Troscan 500

Active Ingredients:

Nitroscanate 500, titanium dioxide, iron oxide yellow, iron oxide black, iron oxide red

Use: The product is a broad spectrum anthelmintic for use in puppies and adult dogs for the treatment of infection by adult intestinal nematodes or cestodes.

For the treatment of the following species:

Nematodes: *Toxocara canis*, *Toxascaris leonine*, *Ancylostoma caninum*, *Ucinaria stenocephala*.

Cestodes: *Taenia hydatigena*, *Taenia pisiformis* and *Dipylidium caninum*.

Directions for use:

For oral administration. Troscan should be administered orally in the morning after overnight fasting with approximately one fifth of the daily food ration. The remaining food ration should be withheld for at least 8 hours.

1 x 500 mg tablet per 10 kg bodyweight.

DO NOT CUT OR CRUSH TABLETS. GIVE AS A WHOLE TABLET.

Contraindications:

Do not administer to sick or convalescing animals. Do not use in puppies of less than 3 weeks of age. Do not use in cases of hepatic dysfunction. Do not use in cases of known hypersensitivity to the active substance.

When the product is not administered as recommended occasionally vomiting may occur. If you notice any serious effects or other effects not mentioned, please inform your veterinary surgeon.

No withdrawal period

Pharmaceutical Precaution

Store in a cool, dry place. Do not store above 25°C.

Wash hands after use.

Any unused product or waste material should be disposed of in accordance with national requirements.



Ultra Fire (60oz)

Description

Ultra Fire is a very complete multivitamin supplement for horses. No fillers, no sugars and no artificial colours. This powder supplement is a full B-complex product that promotes health in many systems including: muscle, energy, hydration, blood and more. Contains 12 vitamins and 11 minerals/salts.

Active Ingredients:

Sodium chloride, potassium chloride, calcium carbonate, ascorbic acid, lemon bioflavonoids, niacinamide, calcium pantothenate, magnesium sulfate, hesperidin complex, riboflavin, thiamine mononitrate, calcium lactate, pyridoxine HCl, folic acid.

Use:

For use in horses only.

Recommended to support healthy metabolic functions in the horse.

Directions for use:

Give one scoop (1/2 volume ounce) once per day.

Pharmaceutical Precaution:

Keep container tightly closed when not in use.

Store in a cool, dry place.





Virkon S Disinfectant Cleaner P.W.S Virucide

Active Ingredients:

Mixture of peroxygen compounds, organic salts and surfactants [triple potassium monopersulfate salt] 50%, sulfamic acid 5%, malic acid 10%, sodium hexametaphosphate 18.5%, sodium chloride 1.5% and sodium dodecyl benzene sulfonate 15%.

Use: Broad spectrum germicide for cleaning and disinfection of agricultural buildings such as dairy barns, horse barns, piggeries, poultry houses, shelter sheds and other types of livestock buildings. Also for use in veterinary hospitals and food processing plants. Virkon® is a disinfectant, possessing wide spectrum virucidal, bactericidal and fungicidal activity. The effectiveness of Virkon® is further enhanced by its excellent detergent properties, so that clean disease-free surfaces can be achieved. Virkon® is unique in its composition. Its activity is based on a buffered synergized acid peroxygen system containing a high percentage of surfactant. Virkon® can be used on all surfaces and in all situations. Once diluted in a 1% solution, Virkon® is of low toxicity, non-tainting, and non-irritant. Because of its high detergency and mode of action, Virkon® can be used in an exceptional variety of situations for effective cleaning and virucidal disinfection in a single operation. Virkon® can be applied manually or through all types of cleaning and spraying equipment. Readily soluble in lukewarm water giving a clear pink solution. Virkon® consists mainly of inorganic salts.

Directions for use:

It has been proven effective against the eighteen families of viruses which affects animals including Distemper, Newcastle Disease, Hepatitis, Kennel Cough, canine Parvovirus, Feline viral, equine rotavirus, Equine influenza, classic porcine to name a few.

CAUTION: In agricultural buildings: animals must be removed from the premise during disinfection. In food processing plants: for food contact surfaces, rinse thoroughly with potable water after disinfection.

1. FOR CLEANING AND DISINFECTION OF SURFACES AND EQUIPMENT:

In agricultural buildings

Remove all animals from premises. Remove all litter and manure from floors, walls, and other surfaces of barns and equipment. Brush and blow dust from fans, motors, louvers and electrical equipment. For terminal cleaning and disinfection, saturate all surfaces with a 1% w/v solution of

Virkon®, using a pressure washer or a fogger. Virkon® should remain in contact with the surface to be disinfected for at least 10 minutes. Scrub heavily soiled utensils and soak in a 1% w/v solution of Virkon® for 10 minutes (do not exceed 30 minutes for metal objects).

In veterinary hospitals

Remove heavy soil deposits then thoroughly wet surfaces to be disinfected with a 1% w/v solution of Virkon®, using a mop, sponge or cloth, as well as by spraying. A minimum contact time of 10 minutes is required. For laboratory equipment and bowls, scrub heavily soiled utensils and soak in a 1% w/v solution of Virkon® for a minimum of 10 minutes (do not exceed 30 minutes for metal objects).

IMPORTANT NOTE: In animal premises where there has been a disease outbreak and/or the mortality/morbidity rates are higher than normal and the causative agent has been determined by a pathology laboratory to be one of those listed in Table 1, the contact time/dilution rate indicated should be used.

In food processing plants

Remove all debris and other deposits from surfaces. Then, thoroughly wet surfaces to be disinfected with a 1% w/v solution of Virkon®, using a mop, sponge or cloth, as well as by spraying. A minimum contact time of 10 minutes is required. For food contact surfaces, rinse thoroughly with potable water after treatment with Virkon®.

2. FOR AERIAL DISINFECTION:

To replace dangerous and ineffective formalin fumigation in empty farm buildings and veterinary hospitals. Shutdown the ventilation system during the disinfection. Use a mechanical fogging machine as part of terminal disinfection routine with a 1% w/v solution of Virkon®. Apply at a rate of one litre of solution per 100 m³ with particle size not exceeding 70 microns in order to get a minimal contact time of 10 minutes with microorganisms in the air. Leave the room during the fogging. Users and animals may re-enter the treated area once the fog has dispersed. No rinsing is required after fogging.

3. SANITIZING DRINKING WATER SYSTEM:

For sanitizing drinking water system at terminal clean out, use a 1.0% w/v solution of Virkon®. Dose header tank and drain system. Wait at least 10 minutes before draining again.

Virkon Disinfectant Cleaner P.W.S Virucide (continued)

DILUTION INSTRUCTIONS

Dilution Rate (w/v)	Quantity of Virkon® required			
	1 Litre	5 Litres	10 Litres	25 Litres
3.0%	30g	150g	300g	750g
2.0%	20g	100g	200g	500g
1.0%	10g	50g	100g	250g
0.5%	5g	25g	50g	125g
0.2%	2g	10g	20g	50g

- 1) Select the quantity of disinfectant solution required.
- 2) Choose appropriate dilution rate.
- 3) Measure out the amount of Virkon® indicated using the graduated measuring scoop provided.
- 4) Add Virkon® to warm water and stir.

There is a 20% loss of activity of 1% solutions of Virkon® after 14 days in 350 ppm hard water.

50 grams packet mix

Add the contents of the sachets (50g) to 5litres of warm water [approximately one gallon) to reach a 1% concentration Virkon S after a routine cleansing using a low pressure pump or other spray equipment. Apply to surface at a solution of 300ml per m².

Virkon S 1% solution are stable for at least 7 days. Do not soak metal objects for prolonged periods- 30 minutes is the maximum contact time necessary.

No withdrawal period

Pharmaceutical Precaution

Store between 15°C and 25°C in a dry place in tightly sealed containers.

Store out of the reach of children.

Do not mix with any other liquid , unless recommended by manufacturer.



Vitamin AD3E forte

Active Ingredients:

Vitamin A	300 000 I.U
Vitamin D3	100 000 I.U
Vitamin E- acetate	50 mg

Use:

Hypovitaminosis in connection with general bacterial infections, improvement of rearing results, convalescence, maintenance of fertility and health, prophylactic treatment during challenge and stress periods.

Directions for use:

By intramuscular injection

Cattle, horse, camel	5-8 ml
Calf, foal	2-5 ml
Pig	2-4 ml
Piglet	0.5-1 ml
Dog, cat	0.5-1 ml

No withdrawal Period

Pharmaceutical Precaution:

Store at a cool place (15-25°C).

Protect from light.

Keep out of reach of children.



Vitamin B12 5000 µg/mL

Active Ingredients:

Cyanocobalamin 5000 µg

Use:

Vitamin B12 deficiency, prevention/treatment.

As an aid in the treatment of VITAMIN B12 deficiency in horses. Administer by intramuscular, subcutaneous or intravenous injection, 2 to 4 µg per kg of body weight. Repeat in 2 to 4 days if required or as recommended by a veterinarian.

Directions for use:

Beef Cattle, Dairy Cattle, Horses, Sheep

Dose: 0.2-0.4 mL. Repeat q1-2 week prn.

Use: Vitamin B12 deficiency, prevention/treatment

Cats, Dogs

Dose: 0.25-0.5 mL q1-2 week prn. May also be given I.V. at veterinarian's discretion.

Use: Vitamin B12 deficiency, prevention/treatment

Swine

Dose: 0.1-0.4 mL. Repeat 1-2 week prn. May also be injected I.V. at veterinarian's discretion.

No withdrawal Period

Pharmaceutical Precaution:

Store in a cool place, between 15°C and 25°C. Avoid exposure to light.



Vitamin E & Selenium

Active Ingredients:

Vitamin E acetate	100mg
Sodium selenite 5HO2	3mg

Use:

For prophylaxis and treatment of vitamin E and selenium deficiency. For treatment of disorders in fertility in male and female animals, hypofunction of gonads, depressed activity in copulation, habitual abortion, myopathy and muscular dystrophy.

Directions for use:

By a single subcutaneous injection

Cattle, horse	5-10 ml
Calf	2-4 ml
Sheep, goat	1-1.5 ml
Pig	3 ml
Weaner	2 ml
Dog, cat, furs	0.5-1 ml

Withdrawal Period

Edible tissues: 7 days.

Pharmaceutical Precaution:

Store at a cool place [15-20°C].



Vitamin E and Selenium (2.5lb)

Active Ingredients:

Dehydrated alfalfa meal, wheat middings, cane molasses, vegetable oil, vitamin E supplement, sodium selenite, ground limestone, propionic acid and acetic acid.

Use:

Vitamin E and selenium to support optimum health; for horses exerting severe physical effort; provides 625 I.U. of vitamin E and 1 mg of selenium per $\frac{1}{2}$ oz. Selenium is necessary for the development of the acquired immune system

Directions for use:

Top dress daily grain ration with $\frac{1}{4}$ to $\frac{1}{2}$ scoop. Each $\frac{1}{2}$ ounce contains 1 mg selenium.

Pharmaceutical Precaution:

Keep out of reach of children.

Store in a cool, dry place.

For animal use only.



Vitamin K1 Injection

Active Ingredients:

Phytonadione 10 mg

Use: Used as a coagulant.

Directions for use:

Cattle, horses, swine, sheep, goats, dogs and cats:

As an aid in the treatment of coagulation disorders associated with hypoprothrombinemia due to Vitamin K deficiency or interference with Vitamin K activity, or anticoagulant induced hypoprothrombinemia such as sweet clover disease in cattle and poisoning with anticoagulant rodenticides in dogs.

Cattle, horses, swine, sheep and goats:

Acute hypoprothrombinemia (with hemorrhage):

0.5 to 2.5 mg per kg of body weight, by slow intravenous injection at a rate not to exceed 10 mg/minute in mature animals and 5 mg/minute in newborn and very young animals.

Non-acute hypoprothrombinemia:

Intramuscularly or subcutaneously: 0.5 to 2.5 mg/kg of body weight.

Dogs and cats:

Acute hypoprothrombinemia (with hemorrhage):

0.25 to 2.5 mg per kg of body weight by slow intravenous injection at a rate not to exceed 1 mg/minute.

Non-acute hypoprothrombinemia:

Intramuscularly or subcutaneously: 0.25 to 2.5 mg per kg of body weight.

Whenever possible, the intramuscular or subcutaneous administration route should be employed.

For intravenous administration dilute with preservative free 5% dextrose, 0.9% sodium chloride injection or 5% dextrose in 0.9% sodium chloride injection. Do not use other diluents.

Administration should be started immediately after mixture with diluent. Avoid rapid infusion. Discard unused portion of the mixture.

Determine frequency and amount of subsequent doses by monitoring prothrombin time response and clinical condition.

No withdrawal period

Pharmaceutical Precaution

Store between 15°C and 25°C.

Protect from light; store in a dark place.



Weight Builder (8 lbs)

Active Ingredients:

Maize distiller's grains with solubles dehydrated, vegetable fat, heat stabilized flax meal, calcium carbonate, propionic acid, BHT/BHA (as a preservative).

Use:

Traditionally, horses needing more calories for increased stamina were fed more grain. Adding calories from fat sources will provide a much better way to increase the energy density of a feeding program. Calories from fats may also be appropriate for horses performing certain types of exercise or for weight management.

Directions for use:

Enclosed scoop holds 2 ounces. – To improve skin and coat condition, feed one scoop (2 oz.) daily with regular grain ration. – For weight gain, feed 2 scoops (4 oz.) daily with regular grain ration. Depending on a horse's activity level and condition, up to 8 oz of Weight Builder may be fed with no adverse effects.

Pharmaceutical Precaution:

Store in a cool, dry place.

Keep away from children.

For animal use only.



Wonder Blue Shampoo

Active Ingredients:

Deep-cleaning shampoo with moisturizing Aloe Vera.

Use:

Deodorizing shampoo, formulated specifically for use on horses and show cattle; deep cleans skin and hair to remove dirt, grease and grime; leaves coat smelling fresh and clean; contains Aloe Vera, one of nature's richest moisturizers; helps prevent dry skin; makes coat soft and shiny.

Directions for use:

Squeeze Wonder Blue into large pail. Squeeze container twice for heavy sudsing, once for a more diluted solution. Spray approximately one gallon of water into pail to build rich suds. Apply with a sponge, working up a lather on all parts of the animal's body. Rinse thoroughly with clear, running water. Remove excess water with a scraper and towel dry. In cold weather, blanket or walk the animal until completely dry.

Pharmaceutical Precaution:

Store in a cool, dry place.

Keep away from children.

For external use only.

Avoid contact with eyes or mucous membranes.

Keep out of reach of children.



Wonder Dust (4oz)

Description:

Wonder Dust™ product is a dressing powder and blood coagulant for use on certain types of wounds, cuts and abrasions. Specially formulated for use on horses and valuable show stock. A caustic and drying agent for slow-healing lesions and excessive granulated tissue (proud flesh). Also for use on other livestock as a blood-stop powder after castrating, docking or dehorning. Plus, it contains a deodorant to remove objectionable odors from foul or infected wounds.

Active Ingredients:

Iodoform	2.0%
Potassium Alum	5.0%
Flowers of Sulfur	2.0%
Tannic Acid	2.0%
Activated Charcoal	5.0%
Copper Sulfate	13.0%
Hydrated Lime	71.0%

Use:

Blood Coagulant

For the treatment of Open Cuts, surface wounds, granulated tissue, Proud flesh (due to activated charcoal), and capillary bleeding.

Directions for use:

Remove liner from underside of cap. Replace cap and shake well. Twist nozzle to open. Hold nozzle 2 to 4 inches from wound. Squeeze container firmly, puffing powder freely over the entire surface of the wound. Use Wonder Dust™ product with or without bandages. Repeat application as often as necessary. Do not use on wounds intended to be sutured.

Pharmaceutical Precaution:

Keep out of eyes. Store in a cool, dry place.



Wormex (Worm syrup for dogs)

Active Ingredients:

Levamisole hydrochloride.

Use:

Effective against roundworms and hookworms in dogs. highly effective against all adult roundworms both gastrointestinal (e.g. *Haemonchus* spp, *Cooperia* spp, *Nematodirus* spp, *Ostertagia* spp, *Oesophagostomum* spp, *Trichostrongylus* spp, etc.) and respiratory (e.g. *Dictyocaulus* spp), as well as against larvae of several species. It is also effective against arrested larvae of a few species (e.g. *Ostertagia* spp), and against certain eyeworms (e.g. *Thelazia* spp).

It has no efficacy whatsoever against flukes, tapeworms or any external parasites (fleas, ticks, mites, lice, etc).

Unless delivered using a slow-release device, levamisole (and tetramisole) has no residual effect. This means that a single administration will kill the parasites present in the host at the time of treatment, but it will not protect the host against re-infestations.

Directions for use:

Shake well before use. Give orally and hold dog's mouth closed till he/she swallows.

5 ml (one tsp) per 10 lbs weight of dog.

Do not give to puppies under three weeks old.

No withdrawal Period

Pharmaceutical Precaution:

Store in a cool, dry place. Keep away from children.



Wound Oil (200ml)

Active Ingredients:

Oil citronella, IPA, camphor, mineral oil and inert ingredients.

Use:

A deep penetrating multi-purpose dressing for treatment of minor cuts, sores and all types of skin abrasions on farm and domestic animals. Coats wound uniformly; penetrates to encourage scab formation and promotes clean and rapid healing.

Directions for use:

First clean any wound thoroughly with water. Spray wound oil in all parts of the wound, holding can 4-6" from area being sprayed. Repeat treatment whenever necessary. For general protection from flying insects spray lightly over animal's head and body avoiding eyes.

No withdrawal Period

Pharmaceutical Precaution:

Contents under pressure. Do not puncture. Do not use or store near heat or open flame. Exposure to temperature above 50°C may cause bursting. Never throw in fire or incinerator. Keep away from food, drinks and animal foodstuffs. Keep container in a well ventilated area.



Zerofen (4%) Powder 1 kg

Active Ingredients:

Fenbendazole

Use:

Broad spectrum anthelmintic for pigs and poultry. For oral administration only. Effective in the treatment and control of mature and immature stages of gastro intestinal and respiratory tract nematodes in cattle, sheep, goats, pigs, dogs, cats, horses and poultry. Also has an ovicidal effect.

Directions for use

Enclosed scoop is 4 Gram. Should be mixed with the feed or sprinkled on top of the feed.

Pigs, sheep, goats and small ruminants: 3g zerofen per 25kg bodyweight given as a single dose.

Cattle and horses: 10g zerofen per 55kg of bodyweight or one scoop per 55lbs of bodyweight as a single dose mixed with the feed and fed as single administration.

Cats and dogs: 2.5g zerofen per 5kg bodyweight or one and half (1 1/2) scoops per 110lbs of body weight as a single dose daily for five (5) consecutive days given by mouth or mixed with food. Alternatively 12.5g zerofen per 5kg may be given as a single dose.

Pregnant dogs: 12.5g zerofen per 10kg bodyweight per day from day 40 of pregnancy continuously to 14 days post-whelping, by oral administration. Treatment should be repeated if natural re-infection occurs.

Poultry: 1.5kg of zerofen premix added per tonne of feed. One kg of feed contains 60 parts per million of fenbendazole. The long term medication via the feed for five to six days is a very effective method of worm control in large flocks.

Withdrawal Period

Animals must not be slaughtered for human consumption until 14 days after last treatment. Milk from treated animals must not be used for human consumption until 72 hours after the last treatment. Diluted preparations in animals feed should be used within 1 year. Do not pelletize with animals feeds at temperatures in excess of 75°C.

Pharmaceutical Precaution:

Store in a cool, dry place.

For animal treatment only.

Keep out of reach of children.



Zimecterin® Paste 1.87%

Active Ingredients:

Ivermectin 1.55%, Praziquantel 7.75%

Use: Consult your veterinarian for assistance in the diagnosis, treatment, and control of parasitism. ZIMECTERIN® (ivermectin) Paste provides effective treatment and control of the following parasites

in horses. Large Strongyles (adults) - *Strongylus vulgaris* (also early forms in blood vessels), *S. edentatus* (also tissue stages), *S. equinus*, *Triodontophorus* spp. including *T. brevicauda* and *T. serratus* and *Craterostomum acuticaudatum*; Small Strongyles (adults, including those resistant to some benzimidazole class compounds) - *Coronocylus* spp. including *C. coronatus*, *C. labiatus* and *C. labratus*, *Cyathostomum* spp. including *C. catinatum* and *C. pateratum*, *Cylicocylus* spp. including *C. insigne*, *C. leptostomum*, *C. nassatus* and *C. brevicapsulatus*, *Cylicodontophorus* spp., *Cylicostephanus* spp. including *C. calicatus*, *C. goldi*, *C. longibursatus* and *C. minutus*, and *Petrovinema poculatum*; Small Strongyles - Fourth-stage larvae; Pinworms (adults and fourth-stage larvae) - *Oxyuris equi*; Ascarids (adults and third- and fourth-stage larvae) - *Parascaris equorum*; Hairworms (adults) - *Trichostrongylus axei*; Large-mouth Stomach Worms (adults) - *Habronema muscae*; Bots (oral and gastric stages) - *Gasterophilus* spp. including *G. intestinalis* and *G. nasalis*; Lungworms (adults and fourth-stage larvae) - *Dictyocaulus arnfieldi*; Intestinal Threadworms (adults) - *Strongyloides westeri*; Summer Sores caused by *Habronema* and *Draschia* spp. cutaneous third-stage larvae; Dermatitis caused by neck threadworm microfilariae, *Onchocerca* sp.

Directions for use:

This syringe contains sufficient paste to treat one 1250 lb horse at the recommended dose rate of 91 mcg ivermectin per lb (200 mcg/kg) body weight. Each weight marking on the syringe plunger delivers enough paste to treat 250 lb body weight. (1) While holding plunger, turn the knurled ring on the plunger 1/4 turn to the left and slide it so the side nearest the barrel is at the prescribed weight marking. (2) Lock the ring in place by making a 1/4 turn to the right. (3) Make sure that the horse's mouth contains no feed. (4) Remove the cover from the tip of the syringe. (5) Insert the syringe tip into the horse's mouth at the space between the teeth. (6) Depress the plunger as far as it will go, depositing paste on the back of the tongue. (7) Immediately raise the horse's head for a few seconds after dosing.

PARASITE CONTROL PROGRAM: All horses should be included in a regular parasite control program with particular attention being paid to

mares, foals and yearlings. Foals should be treated initially at 6 to 8 weeks of age, and routine treatment repeated as appropriate.

ZIMECTERIN® (ivermectin) Paste effectively controls gastrointestinal nematodes and bots of horses. Regular treatment will reduce the chances of verminous arteritis caused by *Strongylus vulgaris*.

PRODUCT ADVANTAGES: Broad-spectrum Control - ZIMECTERIN® Paste kills important internal parasites, including bots and the arterial stages of *S. vulgaris*, with a single dose. ZIMECTERIN® Paste is a potent antiparasitic agent that is neither a benzimidazole nor an organophosphate.

Pharmaceutical Precaution:

Animal Safety - ZIMECTERIN® (ivermectin) Paste may be used in horses of all ages, including mares at any stage of pregnancy. Stallions may be treated without adversely affecting their fertility

Store in a cool, dry place.

Keep away from children.

For use in animals only.

Store at 68° F - 77° F (20-25° C).

Excursions between 59° F - 86° F (15-30° C) are permitted.

Do not use in horses intended for human consumption.

A teal-tinted background image of a laboratory setting. In the foreground, a hand wearing a white glove holds a glass flask containing a blue liquid. In the background, there are several test tubes in a rack, some containing yellowish liquids, and other laboratory glassware. The overall scene is brightly lit, creating a clean and professional atmosphere.

Anaesthetics, Preanesthetics and Sedatives

Canine

Injectable

Acevet 5 Injectable	page 4
Chanazine 10% Solution for Injection	page 37
Lidocaine HCl 2% and Epinephrine Injection USP	page 113

Beef Cattle

Injectable

Acevet 5 Injectable	page 4
Chanazine 10% Solution for Injection	page 37
Lidocaine HCl 2% and Epinephrine Injection USP	page 113

Dairy Cattle

Injectable

Acevet 5 Injectable	page 4
Chanazine 2% Solution for Injection	page 37
Lidocaine HCl 2% and Epinephrine Injection USP	page 113

Equine

Injectable

Acevet 5 Injectable	page 4
Chanazine 2% Solution for Injection	page 37
Lidocaine HCl 2% and Epinephrine Injection USP	page 113

Feline**Injectable**

Acevet 5 Injectable page 4

Lidocaine HCl 2% and Epinephrine Injection USP page 113

Goat/Sheep**Injectable**

Acevet 5 Injectable page 4

Lidocaine HCl 2% and Epinephrine Injection USP page 113

Swine**Injectable**

Acevet 5 Injectable page 4

Lidocaine HCl 2% and Epinephrine Injection USP page 113

Antibiotics

Canine

Injectable Antibiotics

Amoxinject LA	page 8
Gentamicin 5%	page 81
Norodine®24	page 136
Spectabilin	page 174

Antibiotic Ointments and Drops

Ciplox Eye Ointment	page 41
Olivet Ointment	page 139
Sofradex Ear/Eye Drops	page 172

Beef Cattle

Injectable Antibiotics

Amoxinject LA	page 8
Gentamicin 5%	page 81
Hexasol LA	page 88
Norodine®24	page 136
Norotril Max	page 138
Oxyvet®100 LP	page 142
Oxyvet®200 LA	page 143
Spectabilin	page 174

Water Soluble Antibiotic Powders

Neo-Chlor Plus	page 130
Trisulvitrim	page 189

Antibiotics (continued)

Dairy Cattle

Injectable Antibiotics

Amoxinject LA	page 8
Gentamicin	page 81
Norodine®24	page 136
Norotril Max	page 138
Oxyvet®100 LP	page 142
Oxyvet®200 LA	page 143
Spectabilin	page 174

Intramammary Suspension

Bovaclox DC	page 25
Gentamast	page 80
Lactaclox Intramammary Infusion	page 111
Today	page 183
Tomorrow	page 185

Water Soluble Antibiotics

Avimox	page 14
Menorox SP 10%	page 123
Menorox LC 20	page 124
Neo-Chlor Plus	page 130
Neo-Oxytetracycline	page 132
Poly-Tonnie Super Booster	page 178
Trisulvitrim	page 189

Equine

Injectable Antibiotics

Amoxinject LA	page 8
Gentamicin 5%	page 81
Norodine®24	page 136
Oxyvet®100 LP	page 142
Oxyvet®200 LA	page 143

Feline

Injectable Antibiotics

Amoxinject LA	page 8
Gentamicin	page 81
Norodine®24	page 136
Spectabilin	page 174

Antibiotics (continued)

Antibiotic Ointments and Drops

Ciplox Eye Ointment page 41

Goat/Sheep

Injectable Antibiotics

Amoxinject LA page 8

Spectabilin page 174

Oxyvet®100 LP page 142

Oxyvet®200 LA page 143

Antibiotic Ointments and Drops

Ciplox Eye Ointment page 41

Water Soluble Antibiotics

Avimox page 14

Menorox SP 10% page 123

Menorox LC 20 page 124

Neo-Chlor Plus page 130

Neo-Oxytetracycline page 132

Poly-Tonnie Super Booster page 178

Trisulvitrim page 189

Poultry

Water Soluble Antibiotics

Avimox page 14

Menorox SP 10% page 123

Menorox LC 20 page 124

Neo-Chlor Plus page 130

Neo-Oxytetracycline page 132

Poly-Tonnie Super Booster page 178

Trisulvitrim page 189

Swine

Injectable Antibiotics

Amoxinject LA page 8

Gentamicin page 81

Norodine®24 page 136

Oxyvet®100 LP	page 142
Oxyvet®200 LA	page 143
Spectabilin	page 174

Water Soluble Antibiotics

Avimox	page 14
Menorox SP 10%	page 123
Menorox LC 20	page 124
Neo-Chlor Plus	page 130
Neo-Oxytetracycline	page 132
Poly-Tonnie Super Booster	page 178
Trisulvitrim	page 189

Antifungals

Canine

Topical Applications

Smart Line Terrific Relief Shampoo	page 171
Povidone - Iodine Surgical Scrub	page 193
Scarlex Spray	page 182
Blue Lotion	page 23
Gentian Violet	page 169

Beef Cattle

Topical Applications

Copper Sulphate Crystals	page 48
Iodine	page 94

Dairy Cattle

Topical Applications

Copper Sulphate Crystals	page 48
Iodine	page 94

Equine

Topical Applications

Copper Sulphate Crystals	page 48
Iodine	page 94
Kopertox	page 110

Antifungals (continued)

Goat/Sheep

Topical Applications

Copper Sulphate Crystals page 48

Iodine page 94

Poultry

Soluble Powders

Copper Sulphate page 48

Anthelmintics (Dewormers)

Canine

Oral Applications

HEARTGARD® Plus	page 84
Imizol	page 90
Troscan 100	page 190
Troscan 500	page 191
Wormex	page 205
Zerofen (4%) Powder	page 207

Beef Cattle

Oral Applications

Benvet 10%	page 18
Benvet 2.5%	page 18
Ivocip 0.08%	page 97
Levox Wormer	page 112
Panacur Suspension 10%	page 145
Parazine Soluble Wormer	page 149
Poly-Wormerzine 53%	page 156
Safersan Wormer	page 166
Zerofen (4%) Powder	page 207

Pour On

Eprinex Cattle Pour On	page 58
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Injectables

Ivomec 1% Injection	page 100
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Anthelmintics (Dewormers) (continued)

Ivomec Plus	page 103
Ivocip	page 98

Dairy Cattle

Oral Applications

Benvet 10%	page 18
Benvet 2.5%	page 18
Ivocip Drench 0.08%	page 97
Levox Wormer	page 112
Panacur Suspension 10%	page 145
Parazine Soluble Wormer	page 149
Poly-Wormerzine 53%	page 156
Safersan Wormer	page 166
Zerofen (4%) Powder	page 207

Pour On

Eprinex	page 58
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Injectables

Ivomec 1% Injection	page 100
Ivomec Plus	page 103

Equine

Oral Applications

Eqvalan Paste 1.87%	page 63
Panacur Equine Dewormer paste 10%	page 147
Panacur Suspension 10%	page 145
Poly-Wormerzine 53%	page 156
Zerofen (4%) Powder	page 207
Zimecterin Gold	page 208

Feline

Oral Applications

Zerofen (4%) Powder	page 207
---------------------	----------

Goat/Sheep

Oral Applications

Benvet 10%	page 18
Benvet 2.5%	page 18
Ivocip 0.08%	page 102
Levox Wormer	page 112

Anthelmintics (Dewormers) (continued)

Parazine Soluble Wormer	page 149
Poly-Wormerzine 53%	page 156
Safersan Wormer	page 166
Zerofen (4%) Powder	page 207

Injectables

Ivomec 1% Injection	page 100
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Poultry

Oral Applications

Ivomec	page 100
Pig Wormer Soluble (Carlo)	page 154
Poly-Wormerzine 53%	page 156
Safersan Wormer	page 166
Zerofen	page 207

Swine

Oral Applications

Parazine Soluble Wormer	page 149
Pig Wormer Soluble (Carlo)	page 154
Poly-Wormerzine 53%	page 156
Safersan Wormer	page 166
Zerofen	page 207

Injectables

Ivomec 1% Injection	page 100
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A background image of a laboratory setting with various glassware like test tubes and flasks, some containing liquids, and a gloved hand holding a flask. The overall color scheme is teal and blue.

Anti-Inflammatory Drugs

Canine

Injectable

Dexamethasone 2 page 51

Topical application

Sofradex Ear/Eye Drops page 172

Beef Cattle

Injectable

Banamine® Injectable Solution (Flunixin Meglumine) page 16

Dexamethasone 2 page 51

Dairy Cattle

Injectable

Banamine® Injectable Solution (Flunixin Meglumine) page 16

Dexamethasone 2 page 51

Equine

Topical Application

Absorbine Veterinary Liniment page 3

Absorbine Veterinary Liniment Gel page 2

Dexamethasone page 51

DMSO page 53

Equi-Block DT Formula page 62

Icetight 24 hour Poultice page 89

Anti-Inflammatory Drugs (continued)

Injectable

Banamine® Injectable Solution (Flunixin Meglumine)	page 16
Dexamethasone 2	page 51

Feline

Injectable

Dexamethasone 2	page 51
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Topical Application

Sofradex Ear/Eye Drops	page 172
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Disinfectants

Checkerphene	page 39
Duo-San	page 54
Jeyes Fluid	page 107
J-Fluid Disinfectant	page 105
Virkon Disinfectant/Cleaner P.W.S Virucide	page 194

Ectoparasiticides

Canine

Oral Application

NexGard page 133

Topical Application

Asuntol 20% page 11

Bovitraz 12.5% page 26

Carlo Screw Worm & Ear Tick Killer Aerosol page 31

Certifect page 35

Fipronil Spray 0.25% w/v Protektor page 68

Frontline® Spray Treatment for Dogs and Cats page 76

Frontline® PLUS for Dogs and Puppies page 74

Silvertone Flea Powder page 175

Silvertone Shampoo page 168

Smart line Pet Products Flea & Tick Dog Shampoo page 170

Triatix page 188

Cattle

Injectable

Ivopic (Ivermectin Injection 1% w/v) page 98

Ivomec 1% Injection page 100

Ivomec Plus page 103

Topical Application

Asuntol 20% page 11

Bovitraz 12.5% page 26

Carlo Screw Worm & Ear Tick Killer Aerosol page 31

Ectoparasiticides (continued)

Eprinex	page 58
Triatix	page 188

Dairy

Injectable

Ivocip (Ivermectin Injection 1% w/v)	page 98
Ivomec 1% Injection	page 100
Ivomec Plus	page 103

Topical Application

Asuntol 20%	page 11
Bovitraz 12.5%	page 26
Carlo Screw Worm & Ear Tick Killer Aerosol	page 31
Eprinex	page 58
Triatix	page 188

Equine

Topical Application

Asuntol 20%	page 11
Carlo Screw Worm & Ear Tick Killer Aerosol	page 31

Feline

Topical Applications

Carlo Screw Worm & Ear Tick Killer Aerosol	page 31
Frontline® Spray Treatment for Dogs and Cats	page 76
Frontline® PLUS for Cats & Kittens	page 72
Silvertone Shampoo	page 168
Fipronil Spray 0.25% w/v Protektor	page 68

Goat/Sheep

Topical Applications

Asuntol 20%	page 11
Bovitraz 12.5%	page 26
Carlo Screw Worm & Ear Tick Killer Aerosol	page 31
Triatix	page 188

Ectoparasiticides (continued)

Swine

Topical Applications

Asuntol 20%	page 11
Bovitraz 12.5%	page 26
Carlo Screw Worm & Ear Tick Killer Aerosol	page 31
Triatix	page 188

Euthanasia

Euthanyl Forte	page 61
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Gastrointestinal Agents

Canine

Injectable

Dexamethasone 2 page 51

Oral Applications

Mineral Oil (Laxative) page 126

Cattle

Oral Applications

Gaseous Fluid page 79

Ginger in Magnesium Trisilicate Mixture page 82

Mineral Oil (Laxative) page 126

Nobloat page 135

Dairy

Oral Applications

Gaseous Fluid page 79

Ginger in Magnesium Trisilicate Mixture page 82

Mineral Oil (Laxative) page 126

Nobloat page 135

Equine

Oral Applications

Gaseous Fluid page 79

Ginger in Magnesium Trisilicate Mixture page 82

Mineral Oil (Laxative) page 126

Nobloat page 135

Gastrointestinal Agents (continued)

Goat/Sheep

Oral Applications

Gaseous Fluid	page 79
Ginger in Magnesium Trisilicate Mixture	page 82
Mineral Oil (Laxative)	page 126
Nobloat	page 135

Swine

Oral Applications

Gaseous Fluid	page 79
Ginger in Magnesium Trisilicate Mixture	page 82
Mineral Oil (Laxative)	page 126
Nobloat	page 135

A teal-tinted background image of a laboratory setting. In the foreground, a hand wearing a white glove is holding a glass flask containing a blue liquid. In the background, there are several other glass flasks and test tubes on a lab bench. A faint, glowing molecular structure is overlaid on the left side of the image.

Hormonal Agents

Canine

Injectable

Oxytocin Injection	page 140
Progesterone 5% Sterile Injection	page 158

Cattle

Injectable

Lutalyse	page 115
Oxytocin Injection	page 140
Progesterone 5% Sterile Injection	page 158

Inserts

Eazi Breed CIDR Cattle Insert	page 56
-------------------------------	---------

Dairy

Injectable

Cystorelin® Lutalyse	page 122
Oxytocin Injection	page 140
Progesterone 5% Sterile Injection	page 158

Inserts

Eazi Breed CIDR Cattle Insert	page 56
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Equine

Injectable

Lutalyse	page 115
Oxytocin Injection	page 140
Progesterone 5% Sterile Injection	page 158

Hormonal Agents (continued)

Feline

Injectable

Oxytocin Injection	page 140
Progesterone 5% Sterile Injection	page 158

Goat/Sheep

Injectable

Oxytocin Injection	page 140
Progesterone 5% Sterile Injection	page 158

Swine

Injectable

Oxytocin Injection	page 140
PG. 600	page 152
Progesterone 5% Sterile Injection	page 158



Leather Cleaning Agents

Fiebing's Glycerine Saddle Soap

page 67

Fiebing's Saddle Soap

page 67

Pure Neatsfoot Oil

page 161

A background image of a laboratory setting with various glassware like test tubes and beakers, some containing liquids, and a person wearing gloves handling a beaker. The overall color scheme is teal and blue.

Topical Antiseptics and Wound Care

Blue Lotion	page 23
Carlo Veterinary Wound Powder	page 32
Iodine Wound Spray	page 94
Smart Line Animal Wound Powder	page 169
Veterinary Wound Oil	page 206
Wonder Dust	page 204



Vaccines

Canine

Oral Applications

RECOMBITEK®CG page 163

Cattle/Dairy

Blackleg Vaccine – Essential 2+P page 22

Covexin 8 page 49

Goat/Sheep

Blackleg Vaccine – Essential 2+P page 22

Covexin 8 page 49

Swine

Circumvent® PCV M page 43

Ery Shield page 60

M+PAC® (Mycoplasma Hyopneumoniae Bacterin) page 118

Magestic® 7 with SPUR®* page 119



Vitamins, Minerals and Supplements

Canine

Oral Applications

Canine Red Cell	page 30
Fish Oil (Lamp Oil)	page 69
Puppyboost	page 159
Raw Linseed Oil	page 162
Super 14	page 177

Injectable

Metaphosol	page 125
Vitamin AD3E forte	page 197
Vitamin E & Selenium	page 200
Vitamin K1 Injection	page 201

Cattle/Dairy

Oral Application

Antistress	page 9
Boosty VO	page 24
Celmanax Liquid	page 34
Cobalt Iodized Stock Salt	page 45
Formula 1 Plus	page 70
Hemoplex Recovery	page 87
Iodized Stock Salt	page 95
Mineralytes Plus	page 128
Mineralytes Plus + Biotin	page 129
Sulfamid	page 175
Trace Mineralized Stock Salt	page 187

Vitamins, Minerals and Supplements (continued)

Injectable

Aminolean ® Sterile Injection	page 6
Cal-Plus	page 29
Combivit Solution for Injection	page 47
Ferrum 10% + B12	page 66
Hemo-15, Sterile Injection	page 86
Intravit 12 Solution for Injection 0.05%	page 93
Metaphosol	page 125
Vitamin AD3E forte	page 197
Vitamin B12 5000 µg/mL	page 198
Vitamin E & Selenium	page 199
Vitamin E and Selenium (2.5lb)	page 200
Vitamin K1 Injection	page 201

Equine

Oral Application

Apple-Dex	page 10
Biotin Crumble	page 21
Boosty VO	page 24
Carlovite-21	page 33
Cobalt Iodized Stock Salt	page 45
707 DMG	page 52
Fortified Wheat Germ Oil	page 71
Grow Colt	page 83
Iodized Stock Salt	page 95
Joint Combo	page 109
Mare Plus	page 120
Mega-Blud	page 122
Mineralytes Plus	page 128
Mineralytes Plus Biotin	page 129
Performance Mx	page 151
Pure MSM	page 160
Raw Linseed Oil	page 162
Red Cell	page 164
Redglo	page 165
Source	page 181

Vitamins, Minerals and Supplements (continued)

Super 14	page 177
Ultra Fire	page 192
Weight Builder	page 202

Injectable

Aminolean ® Sterile Injection	page 6
Caco-Iron-Copper	page 28
Cal-Plus	page 29
Combivit Solution for Injection	page 47
Ferrum 10% + B12	page 66
Hemo-15, Sterile Injection	page 86
Intravit 12 Solution for Injection 0.05%	page 93
Metaphosol	page 125
Vitamin AD3E forte	page 197
Vitamin B12 5000 µg/mL	page 198
Vitamin E & Selenium	page 199
Vitamin E and Selenium (2.5lb)	page 200
Vitamin K1 Injection	page 201

Feline

Oral Application

Puppyboost	page 159
Super 14	page 177

Injectable

Metaphosol	page 125
Vitamin AD3E forte	page 197
Vitamin E & Selenium	page 199
Vitamin K1 Injection	page 201

Goat/Sheep

Oral Application

Antistress	page 9
Boosty 'VO	page 24
Celmanax Liquid	page 34
Cobalt Iodized Stock Salt	page 45
Hemoplex Recovery	page 87
Iodized Stock Salt	page 95
Mineralytes Plus	page 128
Mineralytes Plus Biotin	page 129

Injectable

Aminolean ® Sterile Injection	page 6
Cal-Plus	page 29
Combivit Solution for Injection	page 47
Ferrum 10% + B12	page 66
Hemo-15, Sterile Injection	page 86
Intravit 12 Solution for Injection 0.05%	page 93
Metaphosol	page 125
Vitamin AD3E forte	page 197
Vitamin B12 5000 µg/mL	page 198
Vitamin E & Selenium	page 199
Vitamin K1 Injection	page 201

Poultry**Oral Application**

Antistress	page 9
Celmanax Liquid	page 34
Chick 'Boost	page 40
Citric Acid	page 44
Formula 1 Plus	page 70
Hemoplex Recovery	page 87
Mineralytes Plus	page 128
Mineralytes Plus Biotin	page 129
Solvitec Spectrum	page 173
Super Hiprovit	page 180

Swine**Oral Application**

Antistress	page 9
Celmanax Liquid	page 34
EarlyStart	page 55
Formula 1 Plus	page 70
Hemoplex Recovery	page 87
Mineralytes Plus	page 128
Mineralytes Plus Biotin	page 129
Piggyboost	page 155
Trace Mineralized Stock Salt	page 187

Vitamins, Minerals and Supplements (continued)

Injectable

Aminolean ® Sterile Injection	page 6
Cal-Plus	page 29
Combivit Solution for Injection	page 47
Ferrum 10% + B12	page 66
Hemo-15, Sterile Injection	page 86
Intravit 12 Solution for Injection 0.05%	page 93
Ironol 100 Sterile Injectable	page 96
Metaphosol	page 125
Vitamin AD3E forte	page 197
Vitamin B12 5000 µg/mL	page 198
Vitamin E & Selenium	page 199
Vitamin E and Selenium (2.5lb)	page 200
Vitamin K1 Injection	page 201

Index

A

Absorbine Hooflex, 1
Absorbine Veterinary Liniment, 3, 232
Absorbine® Veterinary Liniment Gel, 2
Acevet, 4, 220, 221
Aminolean® Sterile Injection, 6, 246, 247, 248, 249
Amoxinject LA, 8, 222, 223, 224, 225
Amporfur, 7
Anaesthetics, 210
Antibiotics, 138, 140, 212, 213, 214
Antifungals, 216, 217
Anthelmintics, 218, 219, 220
Anti-Inflammatory, 221, 222
Anti-mating Spray, 9
Antistress, 9, 245, 248, 249
Apple-Dex, 10, 246
Avimox, 13, 15, 16, 223, 224, 225

B

Banamine, 17, 232, 233
Benvet, 19, 228, 229, 230

BIOTIN, 22

Black Leg Vaccine, 23

BLUE LOTION, 24

BOOSTY'VO, 25

Bovaclox, 26, 223

C

Caco Iron, 29
Cal-Plus, 30, 246, 247, 248, 249
Canine Red Cell, 31, 245
Carlo Wound Powder, 33
Carlovite, 34, 246
Celmanax Liquid, 35, 245, 248, 249
CERTIFECT, 37, 38
Chanazine, 40, 220

Checkerphene, 42, 234

Chick 'Boost, 43, 249

Ciplox Eye Ointment, 44, 222, 224

Circumvent, 45, 46, 243

Citric Acid, 31, 47, 171, 172, 249

Cobalt Iodized Stock Salt, 48, 245, 246, 248

Cod Liver Oil, 49

Combivit, 50, 246, 247, 248, 249

Copper Sulphate, 51, 226, 227

COVEXIN, 52

CYSTORELIN®, 53

D

Dewormers, 228

Dexamethasone, 54, 180, 232, 233

Disinfectant, 3, 111, 204, 234

Disinfectants, 234

DMG, 55, 246

DMSO, 56, 232

Duo-San, 57, 234

E

EarlyStart, 58, 249

Eazi-Breed, 59

Ectoparasiticides, 235

Eprinex, 61, 228, 229, 235, 236

Equi-Block, 65, 232

EQVALAN, 66, 67

ERY SHIELD, 63

Euthanasia, 237

Euthanyl, 64, 237

F

Farnam Leather, 68, 242

Ferrum, 69, 246, 247, 248, 249

Fipronil Spray, 71, 235, 236

Fish Oil (Lamp Oil), 72, 245

Index (continued)

- Flaxseed Oil, 169
Flea & Tick Dog Shampoo, 178, 235
Flea Powder, 175, 235
Formula 1 Plus, 73, 245, 249
Frontline, 76, 235, 236
- G**
- Gaseous Fluid, 82, 238, 239
Gastrointestinal, 103, 106, 109, 238
Gentamast, 83, 223
Gentamicin, 83, 84, 148, 222, 223, 224, 225
Grow Colt, 86, 246
- H**
- HEARTGARD, 87, 88, 228
Hemo-15, 89, 246, 247, 248, 249
Hemoplex, 91, 245, 248, 249
Hexasol, 92, 222
Hiprovit, 187, 249
Hormonal Agents, 240
- I**
- Icetight, 93, 232
Imizol, 94, 228
IMMITICIDE, 95, 228
Intravit, 97, 246, 247, 248, 249
Iodine, 48, 99, 127, 129, 188, 194, 203, 226, 244
IODIZED STOCK SALT, 100
Ironol, 100, 101, 249
Ivocip, 98, 102, 103, 228, 229, 230, 235, 236, 237
Ivomec, 106, 109, 228, 229, 230, 231, 235, 236, 237
- J**
- Jeyes, 111, 113, 234
J-Fluid, 111, 234
Joint Combo, 116, 246
- K**
- Kopertox, 117, 226
- L**
- Lactaclox, 118, 223
Leather Cleaning, 242
Levox, 119, 228, 229, 230
Lidocaine, 120, 121, 220, 221
Linseed Oil, 169, 245, 247
Lutalyse, 122, 240, 241
- M**
- M+PAC, 125, 243
Magestic® 7, 126, 243
Magnesium Trisilicate, 85, 238, 239
Mare Plus, 127, 246
Medicated Shampoo, 203, 226
Mega-Blud, 129, 246
Menorox, 130, 131, 223, 224, 225
Metaphosol, 132, 245, 246, 247, 248, 249
Mineral Oil, 133, 238, 239
Minerals, 245
Minerlytes, 134
MSM, 167, 246
- N**
- Neatsfoot Oil, 168, 242
Neo-Chlor, 138, 222, 223, 224, 225
Neo-Oxytetracycline, 140, 223, 224, 225
NexGard, 142, 143, 235
Nobloa, 144, 238, 239
Norodine, 145, 146, 222, 223, 224, 225
Norotril, 147, 222, 223
- O**
- Otivet, 148, 222
Oxytocin, 149, 240, 241
Oxyvet, 150, 151, 222, 223, 224, 225

P

Panacur, 153, 154, 155, 156, 228, 229
 Parazine, 157, 228, 229, 230, 231
 Performance-Mx, 158
 PG. 600, 159, 241
 Pig Wormer, 161, 230, 231
 Piggyboost, 162, 249
 Poly-Wormerzine, 163, 228, 229, 230, 231
 Prazivet, 164, 228
 Preanesthetics, 220
 Progesterone, 165, 240, 241
 Protektor, 71, 235, 236
 Puppy Boost, 166

R

RECOMBITEK, 170, 243
 Red Cell, 171, 247
 Redglo, 172, 247
 RIVIB, 173, 243

S

Saddle Soap, 70, 242
 Safersan, 174, 228, 229, 230, 231
 SCARLEX, 189
 Screw Worm, 32, 235, 236, 237
 Sedatives, 220
 Silvertone Shampoo, 176, 235, 236
 Smart Line Pet Products, 179, 226
 Sofradex, 180, 222, 232, 233
 Solvitec Spectrum, 181, 249
 Source, 188, 247
 Spectabilin, 182, 222, 223, 224, 225
 STOCK SALT, 194
 Sulfamid, 183, 245
 Super 14, 184, 245, 247
 Super Booster, 185, 223, 225
 Supplements, 245

T

Terrific Relief Shampoo, 179
 ToDAY, 190, 191
 ToMORROW, 192, 193
 Topical Antiseptics, 244
 TRACE MINERALIZED, 194
 Triatix, 196, 197, 235, 236, 237
 Trisulvitrim, 198, 222, 223, 225
 Troscan, 199, 200, 228

U

Ultra Fire, 201, 247

V

Vaccines, 243
 Viodine, 203, 226
 Virkon, 204, 205, 206, 234
 Vitamin, 31, 48, 49, 50, 69, 73, 74, 89, 97, 127, 129, 134, 136, 162, 171, 172, 181, 185, 187, 194, 198, 207, 208, 209, 211, 212, 245, 246, 247, 248, 249, 250
 Vitamin AD3E forte, 207
 Vitamin B12, 31, 171, 172, 198, 208
 Vitamin E & Selenium, 209
 Vitamin E and Selenium, 211
 Vitamin K1, 212
 Vitamins, 74, 91, 245

W

Weight Builder, 213, 247
 Wheat Germ Oil, 74, 246
 Wonder Blue Shampoo, 214
 Wonder Dust, 215, 244
 Wormex, 216, 228
 Wound Care, 244
 Wound Oil, 202, 244
 Wound Powder, 177, 244
 Wound Spray, 99, 244

Z

Zerofen, 217, 228, 229, 230, 231
 ZIMECTERIN, 218, 219

