COLLOID SUBSTANCES contain high molecular weight substances which cannot readily cross capillary walls (i.e. do not readily leave the intravascular space). Their osmotic effect increases intravascular volume and prolongs resuscitative effect of hypertonic saline. Colloids should be administered slowly.

NATURAL COLLOIDS are plasma and plasma products, whole blood, albumin and synthetically derived colloids. Synthetic colloids are dextran, hydroxyethyl starch (HES), and stroma-free hemoglobin.

For HORSES: Dose: 10 ml/kg of 6% solutions.

For WHOLE BLOOD (horses) --> Dose: 1 liter per liter of estimate blood loss, or 1 liter per 1% desired rise in PCV.

SOURCES: http://www.vet.ohio-state.edu/assets/courses/vm70016/equinefluid.pdf

1.http://www.merckmanuals.com/vet/emergency\_medicine\_and\_critical\_care/fluid\_therapy/the\_fluid\_resuscitation\_plan.htm.

2.http://cal.vet.upenn.edu/projects/eqemerg/case1/5sconslt/5sIA2G.htm.