



EQUIPLAS[®] AND

EQUIPLAS PLUS[®]

Equiplas contains a minimum of 15 gms/liter of immunoglobulin (950 mL bag).

Equiplas Plus contains a minimum of 27 gms/liter of immunoglobulin (950 mL bag).

EQUIPLAS AND EQUIPLAS PLUS

can be used in neonates for the treatment of Failure of Passive Transfer (FPT) and Partial Failure of Passive Transfer (PFPT), and in adults for hypoproteinemia. FPT and PFPT are defined as a foal having less than 2 and 4 grams of immunoglobulin (IgG) per liter of blood respectively. A healthy foal has a blood IgG level greater than 8 gms/liter. Blood IgG levels can be measured using Gamma-Check[®] E.

The minimum IgG level in Equiplas is 15 gms/liter and one bag will increase a foal's circulating IgG by about 2.5 gms/liter.

The minimum immunoglobulin level in Equiplas Plus is 27 gms / liter and one bag will increase a foal's circulating IgG by about 4 gms / liter.

Plasvacc equine plasma is derived from healthy equine donors through the process of plasmapheresis and is guaranteed to be sterile and cell free. It contains no preservatives. Sodium citrate is used as an anticoagulant. It is frozen immediately following collection. It is CFIA and USDA registered.

ADMINISTRATION

Plasma should be thawed slowly and completely to body temperature in a pail of warm water (~40°C) prior to use. (45°C is the temperature of a hot shower). Thawing the bag in water that is too hot can denature proteins and cause fibrinogen to precipitate. Mix gently prior to administration.

Plasma should always be administered intravenously (jugular) using a filtered blood administration set to remove any small fibrin clots that may have formed.

Healthy foals tolerate transfusions well if mildly sedated and the skin over the jugular vein anesthetized before introduction of the catheter. A 16G x 2" is suitable for foals and a larger catheter can be used in adults.

In most cases, a liter of plasma can be given safely in 15-20 minutes.

STORAGE and SHELF LIFE

Equiplas is supplied frozen and should be stored at -18°C until required.

The shelf life of frozen plasma is three years.

Once thawed, IgG is stable refrigerated for 7 days.

Plasma can be re-frozen once and the IgG will remain stable, however, it may lead to an increase in the amount of precipitate seen.

Re-freezing plasma that has been warmed to body temperature is not recommended.

PRECAUTIONS

Do not add anything to the plasma prior to use.

Do not dilute with saline.

Do not allow contact with glass as this can cause clotting.

Do not re-freeze if the plasma has been thawed to body temperature.

Always administer through a filtered blood administration set.

If excess fibrin is seen or the plasma is cloudy or dark brown do not administer – call (800) 654-9743 for advice.

Foals with infections often require repeat infusions.

The half life of IgG in vivo is approximately 21 days but can be as low as 8 days in the sick foal.

DONOR HERD

Plasvacc's plasma is derived from a USDA-approved donor herd of approximately 120 horses. Prior to acceptance to the closed herd, the Department of Serology, UC Davis screens the animals for their suitability as plasma donors. All donor horses are blood typed. Plasma donors must be free of agglutinins and hemolysins to common red blood cell antigens. Each donor is negative for EIA, EVA, glanders, dourine, piroplasmosis and brucellosis. Frequent serological testing ensures continued freedom from these diseases. Regular veterinary inspection and an intensive vaccination program guarantee healthy donors and high quality products. Donors producing plasma to be used to treat FPT and PFPT are intensively vaccinated against common neonatal pathogens.

ABOUT PLASVACC

Plasvacc is a leading supplier of equine plasma worldwide. Our facilities are located on the beautiful Central Coast in Templeton, California and in Kalbar, Queensland, Australia. We have distribution facilities in Canada, New Zealand and Hong Kong. Our company has the ability to provide a wide range of plasma products containing antibodies to many different microorganisms. Our friendly staff provide outstanding customer service and technical assistance. We work closely with veterinarians to assure a healthy equine population.

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