

EQUIPLAS®



Product Information—Canada

Higher antibody levels improve immunity and promote faster healing.

When a horse's future is in your hands, what's in your freezer matters.

EQUINE PLASMA PRODUCTS

Equiplas®

For the treatment of failure of passive transfer (FPT) in the equine neonate and hypoproteinemia in horses of any age. Minimum IgG level of 1800mg/dL. One bag will increase a foal's circulating IgG level by about 250mg/dL. *Available in 950mL bags. USDA licensed.*

Equiplas® Plus

High IgG plasma for the treatment of failure of passive transfer (FPT) with a minimum IgG level of 2800 mg/dL. One bag will increase a foal's circulating IgG level by about 400mg/dL. *Available in 950mL bags. USDA licensed.*

IMPORTANT: Sick foals will not show the IgG increases indicated above due to rapid utilization of the transfused antibodies. Repeated transfusions are often required. The immunoglobulin half-life is about 21 days in healthy foals and as low as 8 days in sick foals. The amount required to confer protection has been extensively reviewed

to be dependent on the pathogenic burden in the surrounding environment. We recommend a minimum of 400mg/dL in some environments and over 800mg/dL in others. Contact us to speak to our Technical Veterinarian.

Equiplas® REA

Aids in the management and control of respiratory disease associated with *Rhodococcus equi*, including foal pneumonia. The timing of administration is critical. With immunoglobulin half-life at about 21 days, a single initial dose is recommended for foals during the first few days of life. A second dose should be administered 4–6 weeks later. *Available in 950mL bags. USDA licensed.*

Equiplas® R

For the treatment of failure of passive transfer (FPT) and the donor used has been hyperimmunized with a *Rhodococcus equi* vaccine. The minimum IgG content is 2400mg/dl. This product is intended for use in foals less than 6 months of age and is supplied in 950mL bags. *USDA licensed.*

gammaglobulin. The occurrence of this reaction causes a solid clot formation. The time taken for the clot to form is inversely related to the amount of gammaglobulin present.

- **Gamma Check E:** Available for use with foal blood or serum.
- **Gamma Check C:** Available for use with equine colostrum.
- **Gamma Check B:** Available for use with bovine blood or serum.

Gelmate

Rapid screening for the detection of acute and chronic inflammation in farm animals. The higher the concentration of inflammatory proteins, mainly gammaglobulin and fibrinogen, the quicker the formation of a solid clot when whole blood is added to the reagent.

The patient's history is important, as inflammation within a few weeks of testing may result in a positive Gelmate, even if the problem has resolved. Potential conditions that cause elevations in inflammatory proteins include pleurisy, internal abscesses, and peritonitis or traumatic reticuloperitonitis.

False readings can occur with severe anemia (excessive plasma) or severe dehydration (reduced plasma).

DIAGNOSTIC TEST KITS

Gamma Check®

Rapid screening kits to test immunoglobulin levels (mainly IgG) in colostrum, whole blood, or serum. Tests are based on the ability of glutaraldehyde to react with





DIAGNOSTIC LAB SERVICES

Equine RID

The standardized radial immunodiffusion (RID) test gives more accurate results than many semi-quantitative tests currently available. Results are available within 72 hours. RID plates are also available for sale, allowing testing of up to 21 samples per plate. Used in combination with a Gamma Check, this test offers an ideal solution to accurately evaluate a foal with a low IgG level.

PURITY & SAFETY

Our plasma is never blended. We use single-source donor tracing and cell-free plasma technology to reduce the risk of adverse reactions. Each donor animal is carefully screened, meticulously cared for, and quarantined. Our high gamma globulin, hyperimmunized plasma helps patients heal more quickly, with less drug intervention.

All plasma is frozen immediately after collection and stored at -17°C to -40°C. Safety and sterility tests are performed on every batch to check for bacteria and fungi. Immunoglobulin determinations are performed in our lab using standardized RID tests.



ADMINISTRATION

Plasma should be thawed immediately prior to administration. Place the bag into warm water at approximately 40-45°C.

IMPORTANT: Thawing in water that is too hot—above 50°C—can easily denature proteins and cause fibrinogen to precipitate.

After warming to body temperature, mix well and administer directly from the bag. Nothing should be added to the contents of the bag, and the plasma must not be removed from the bag and placed into another receptacle.

Activation of platelets and clotting factors can occur when plasma comes into contact with glass. **DO NOT DILUTE WITH SALINE.** Small amounts of fibrin are occasionally seen in the plasma when it is thawed.

IMPORTANT: If you have any concerns whatsoever, please give us a call. Our Technical Support team includes licensed Veterinarians who are available to assist you and are ready to answer any questions you may have 24 hours a day, 7 days a week, 365 days a year.

Healthy foals tolerate transfusions well if mildly sedated, and the skin over their jugular vein is anesthetized before introduction of the catheter. In most cases, 950ml of plasma can safely be given to a foal in 15-20 minutes.

A 16g x 2" catheter is suitable for foals, while a larger catheter can be used in adults.

Always administer through a filtered blood administration set to ensure that small fibrin clots do not enter the body. Sets are available for sale.

ORDERING & SHIPPING

Plasma is packed in insulated boxes and shipped frozen, via overnight delivery service. Contact your local veterinary distributor to order.

To order, contact:

SALUTARIS HEALTH LTD.

+1-613-678-2139

PO Box 550, 69 Perreault Street
Vankleek Hill, ON, K0B 1R0
vkhvetservice@bellnet.ca

STORAGE

Plasma Products

Store frozen up to 3 years at -17°C to -40°C until required. Once thawed, the IgG is stable for at least 7 days if kept refrigerated at 4°C. Re-freezing plasma that has been warmed to body temperature is not recommended.

Red Cell Products

Store refrigerated with a shelf life of 3-4 weeks. Do not freeze red cells, as they will hemolyze.

Diagnostic Test Kit Products

Both Gamma Check and Gelmate test kits should be stored refrigerated.

SPECIAL ORDERS

Fulfillment of special orders is available upon request for the following products:

- Custom or Autogenous Plasma
- Packed Equine Red Blood Cells
- Drug-Free Plasma, Serum, or Urine
- Fresh, Whole Equine Blood
- Platelet Rich Plasma