



Product Information

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 hypoproteinaemia in horses of any age. Minimum IgG level of 2200mg/dL. One bag will increase a foal's circulating IgG level by about 250mg/dL. Available in 1,000mL bags. APVMA & NZFSA Registered.

IMPORTANT: Sick foals will not show the IgG increases indicated above due to rapid utilisation 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® R

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 1,000mL bags. Supplied under APVMA permit.

Equiplas® E

Specifically designed to help treat Endotoxaemia in horses, Equiplas E is rich in anti-endotoxin gamma globulins collected from Plasvacc's specially hyperimmunised donor horses. The development of Equiplas E represents a significant improvement in the treatment modalities for this condition. It complements conventional treatments and shortens the course of hospitalisation, thereby saving animals that may not normally survive. Available in 1,000mL bags. Supplied under APVMA permit.

DIAGNOSTIC TEST KITS

Gamma-Check® E

Designed to be a rapid screening test for foals, using whole blood or serum. It was developed as a semi-quantitative means of measuring the foal's IgG level. This test offers results within 5 minutes and can be done "mare side." No special equipment is needed and the test can be run as early as 8 hours post-foaling allowing time for oral colostrum supplementation. A positive result indicates that the IgG level is greater or equal to 800 mg/dL.

CAUTION: False positive results are occasionally seen when samples are haemolysed or when a foal has a high fibrinogen level. If the foal is not healthy, we do not recommend using the test. As false negatives do occasionally occur, we do not recommend transfusing a foal with plasma based only on the results of the Gamma-Check E test.

If the foal tests negative, we suggest repeating the test using the RID test for quantitative results.

Equine RID

The standardised radial immunodiffusion (RID) test gives more accurate results than many semi-quantitative tests currently available. RID plates are available for sale, allowing testing of up to 21 samples per plate. Used in combination with Gamma-Check E, this test offers an ideal solution to accurately evaluate a foal with a low IgG level. Offered for high-level or low-level IgG readings with a standard range of approximately 300-2900mg/dL.



Equine Serum Amyloid A Test

Early identification of infection can be challenging, as the clinical signs are often subtle. The VMRD Equine SAA test is an indispensable tool to aid veterinarians in this challenge, as serum amyloid A (SAA) is rapidly responsive to clinical changes. It is virtually undetectable in normal animals but increases with acute inflammation more rapidly, dramatically, and predictably than fibrinogen or WBC count. SAA starts dropping as soon as disease begins to





resolve, allowing objective monitoring of clinical condition and treatment efficacy. VMRD SAA for Equine is a 10-minute horse-side lateral flow test designed for use in field or hospital settings. Test pouches are set up for use with whole blood, with quantitative results provided by the VMRD Reader. *Available directly from Plasvacc Pty Ltd.*



VMRD Reader

Reader for use with VMRD point-of-care tests that provides a quantitative result in whole blood and serum samples. Compatible with Serum Amyloid A tests.

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, hyperimmunised 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 standardised RID tests.

ADMINISTRATION

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

IMPORTANT: Thawing in water that is too hot—above 40°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 anaesthetised before introduction of the catheter. In most cases, 1,000mL 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 containing a 200µm filter to ensure that small fibrin clots do not enter the body.

ORDERING & SHIPPING

Contact your local veterinary wholesaler to order. Plasma is shipped frozen, via overnight delivery service, and packed in insulated boxes. VMRD test kits, reader, and Equine RID available direct from Plasvacc Pty Ltd.

STORAGE

Plasma Products

Store frozen up to 3 years below -5°C until required. Once thawed, the IgG is stable for at least 7 days if kept refrigerated under 8°C. Re-freezing plasma that has been warmed to body temperature is not recommended.

Diagnostic Test Kit Products

Gamma-Check E and Equine RID test kits must be stored refrigerated.

