

# EQUIPLAS®



## 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 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® B

For prophylactic administration to horses with probable exposure to Clostridium Botulinum Type B toxin or spores. Plasma can also be used in cases where symptoms are already apparent to neutralize any toxin that has been ingested. Single dose

sizes available for either adult horses (20,000 AU) or foals under 1 month of age (5,000 AU). *USDA licensed.*

#### 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/or to aid in the management and control of respiratory disease associated with Rhodococcus equi. The minimum IgG content is 2400 mg/dL. A second dose should be administered 4–6 weeks later. *Available in 950mL bags. The FIRST USDA licensed combination plasma on the market.*

#### Equiplas® WNV

Administered to provide passive immunity as an aid in the control of disease associated with West Nile Virus in horses. *Available in 950mL bags. USDA Conditional license.*

#### Equiplas® D

Normal Equine Plasma collected from horses that have been immunized against J-5 E.coli, Salmonella, Equine Rotavirus, Clostridium Perfringens, and Clostridium Difficile. *Available in 950mL bags.*

#### EquiEnteric

Normal Equine Plasma collected from horses that have been immunized against J-5 E.coli, Salmonella, Equine Rotavirus, and Clostridium Perfringens. *Available in 950mL bags.*

### DIAGNOSTIC LAB SERVICES

#### Coggins Test

AGID test for EIA and fast-turnaround ELISA testing. Plasvacc's EIA Lab is available through Global Vet Link.

### 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 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 gamma-globulin 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. False readings can occur with severe anemia (excessive plasma) or severe dehydration (reduced plasma).

### Equine RID

The standardized 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 a Gamma-Check, this test offers an ideal solution to accurately evaluate a foal with a low IgG level.

### Foal IgG Test

Measuring the IgG level is a vital component of any exam for both sick and outwardly healthy neonatal foals. Point-of-care IgG testing allows appropriate oral and/or intravenous therapy to be instituted in a timely manner to provide antibodies to help the foal fight off infections. The VMRD Foal IgG Test makes this easy, offering room temperature storage with 10-minute numerical results provided by the VMRD Reader. Standard kit can be used with fresh or EDTA blood from samples collected directly from syringe or blood tube.

### 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.

### 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, 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 serial 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 (the temperature of a hot shower).

**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

Contact your local veterinary distributor to order. Plasma is shipped frozen, via overnight delivery service, and packed in insulated boxes. Red cells and whole blood are shipped chilled. VMRD test kits and reader available direct from Plasvacc USA.

### 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 must 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

