

Certificate of Analysis**PRODUCT:** Horse Serum, Donor Herd, Non-hemolyzed, Sterile**CODE NO:** 39321**MATERIAL NUMBER:** [REDACTED]**LOT NO:** 30138**DATE OF
MANUFACTURE:** October 27, 2016**DATE OF EXPIRATION:** October 27, 2018**ORIGIN:** U.S.A.**STORAGE:** At -10 °C or below**EU REQUIREMENTS:** Product meets EU requirements for production of technical blood products. Product is derived from blood collected at MO-TEC-0001, USA.**HEALTHY
ANIMAL
STATEMENT:** This product is made from raw materials that were collected from animals and found free from obvious signs of infectious and contagious disease.**PROCEDURE:** Blood is aseptically collected from the donor herd horses (maintained on antibiotic-free diets and controlled under the observation of qualified professional personnel) using a closed system method in a USDA inspected facility. All animals are found free of contagious disease. The blood is refrigerated within 8 hours of collection and processed within 48 hours prior to freezing. Sterilization is achieved using a 0.22-micron filter.**APPEARANCE:** Light amber, clear to slightly opalescent solution**ASSAYS:**

Required Assays	Specification	Result
Total Protein:	6.0 – 9.0 g/dL	6.4 g/dL
Hemoglobin:	≤ 10 mg/dL	<1 mg/dL
pH:	7.0 – 8.2	7.9
Osmolality:	250 to 300 mOsm/kg	281 mOsm/kg
Mycoplasma:	Negative	Negative
Immunoelectrophoresis:	Precipitin pattern observed was characteristic of horse serum when tested with anti-whole horse serum.	Precipitin pattern observed was characteristic of horse serum when tested with anti-whole horse serum.
Sterility:	No growth at 14 days.	Passed. No growth at 14 days.

QUALITY ASSURANCE

Quality Control Release Date:

November 15, 2016

Sarah Graves
Quality Systems Technician**Meets or exceeds specifications** ☒**Does not meet specifications** ☐**SUITABLE FOR FURTHER MANUFACTURE OR RESEARCH PURPOSES**