

Certificate of Analysis

PRODUCT: [REDACTED], Custom Rabbit Plasma with Sodium Citrate,**CODE NO:** 31163**LOT NO:** [REDACTED]**STORAGE:** -20 °C**PO#:** [REDACTED]**DATE OF****MANUFACTURE:** November 26, 2019**Origin:** U.S.A.**EU REQUIREMENTS:** Product meets European Union requirements for production of technical blood products.**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:** Rabbit whole blood is collected from healthy young rabbits (albino, 8–12 weeks of age, either sex, and fasted) at the time of slaughter, combined with 50 mL of 8.5% sodium citrate, and QS to 250 mL with blood. The plasma is separated from the blood cellular components by centrifugation and pooled. The specified amount of sodium chloride is added and allowed to mix until dissolution is complete. Then the plasma is pre-filtered, passed through a 0.22-micron filter, bottled, and stored at -20 °C.**APPEARANCE:** Tan to tan-yellow with a trace pink color; free of excessive hemolysis**ASSAYS:**

Required Assays	Specification	Result
Total Protein Assay:	3.9 – 6.5 g/dL	4.4 g/dL
Hemoglobin Assay:	≤ 20 mg/dL	10 mg/dL
Final pH:	6.5 – 8.5	7.6
Bacterial Coagulase:	5 of 5 <i>S. aureus</i> strains +3 or greater at 6 - 24 hours. <i>S. epidermidis</i> & <i>E. aerogenes</i> negative at 6 - 24 hours. <i>S. pseudintermedius</i> greater than or equal to 1+ within 24 hours.	5 of 5 <i>S. aureus</i> strains +4 or greater at 6 hours. <i>S. epidermidis</i> & <i>E. aerogenes</i> were negative at 6 hours. <i>S. pseudintermedius</i> +4 at 24 hours.
Optical Density:	0.200 – 1.300	0.260
Sterility:	No growth at 14 days	Pass

QUALITY ASSURANCE

Quality Control Release Date:

December 16, 2019

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