

## Certificate of Analysis

**PRODUCT:** [REDACTED], Custom Rabbit Plasma with Sodium Citrate,**CODE NO:** 31163**LOT NO:** 02539**STORAGE:** -20 °C**PO#:** [REDACTED]**DATE OF  
MANUFACTURE:** January 25, 2017**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 (New Zealand White, 8–12 weeks of age, either sex, and fasted) at the time of slaughter, combined with 50ml of 8.5% Sodium Citrate then 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. The plasma is then pre-filtered and passed through a 0.22-micron filter, bottled and stored at -20 °C.**ASSAYS:**

| Required Assays      | Specification                                                                                                                        | Result                                                                                                                          |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Total Protein Assay: | 3.9 – 6.5 g/dL                                                                                                                       | 4.1 g/dL                                                                                                                        |
| Hemoglobin Assay:    | ≤ 20 mg/dL                                                                                                                           | 10 mg/dL                                                                                                                        |
| Final pH:            | 6.5 – 8.5                                                                                                                            | 7.6 at 1:2 aqueous dilution                                                                                                     |
| 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. | 5 of 5 <i>S. aureus</i> strains +3 or greater at 6 hours. <i>S. epidermidis</i> & <i>E. aerogenes</i> were negative at 6 hours. |
| Optical Density:     | 0.200 – 1.300                                                                                                                        | 0.276                                                                                                                           |
| Sterility:           | No growth at 14 days                                                                                                                 | Passed. No growth at 14 days.                                                                                                   |

**QUALITY ASSURANCE**

Quality Control Release Date:

February 10, 2017

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