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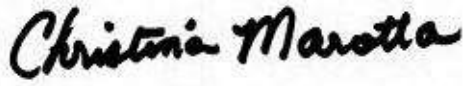
Certificate of Analysis

Product Description: Human Type AB Serum
Catalog Number: 2930949
Lot: M3468**Formula:** N/A
CAS #: N/A
Physical Description: Golden Brown Liquid**Formula Weight:** N/A
Storage: -20°C

Test	Specification	Result
Source	Male Donors	Passes
pH	7.0 - 8.0	7.6
Osmolality	263 - 323 mOsm/kg	280 mOsm/kg
Protein	5.5 - 7.5 g/dl	5.8 g/dl
Hemoglobin	≤26 mg/dl	2.4 mg/dl
Endotoxin	For Information Only	0.7 EU/ml
Mycoplasma	Absent	Negative
Bacteria and Fungi	Absent	Passes
HIV, HBsAg	Not Detected	Negative
Growth Promotion	Passes	Passes
Expiration Date	Month/Day/Year	11/30/2013

Glucose	90 mg/dl
Sodium	137 meq/l
Potassium	4.1 meq/l
Chloride	117 meq/l
Calcium	9.1 mg/dl
Phosphorus	3.2 mg/dl
Albumin	3.5 g/dl
Total Bilirubin	0.2 mg/dl
Cholesterol	138 mg/dl
Triglycerides	105 mg/dl
Sterile	Passes
Filtration	0.1 micron cartridge

Each donor unit of plasma used in the preparation of this material was tested and found negative for HBsAg, HIV 1/2, HCV, HIV-1Ag, and ALT by FDA approved methods.

A handwritten signature in black ink that reads "Christina Marotta". The signature is written in a cursive, flowing style.

02/27/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

This is an electronically generated document
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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site
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