



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Human Serum, Pooled  
**Catalog Number:** 2930149  
**Lot:** 104318

**Formula:** N/A  
**CAS #:** N/A  
**Physical Description:** Golden Brown Liquid

**Formula Weight:** N/A  
**Storage:** -20°C

Test	Specification	Result
pH	7.0 - 8.0	7.7
Osmolality	263 - 323 mOsm/kg	284 mOsm/kg
Protein	5.5 - 7.5 g/dl	5.8 g/dl
Hemoglobin	≤26 mg/dl	1.6 mg/dl
Endotoxin	For Information Only	0.7 Eu/ml
Mycoplasma	Absent	Negative
Bacteria and Fungi	Absent	Negative
HIV Antibody	Not Detected	Negative
HBsAG	Not Detected	Negative
Growth Promotion	Passes	Passes
Expiration Date	Month/Day/Year	7/31/2012

Glucose	90 mg/dl
Sodium	143 meq/l
Potassium	3.5 meq/l
Chloride	122 meq/l
Calcium	8.5 mg/dl
Phosphorus	3.5 mg/dl
Albumin	3.8 gm/dl
Total Bilirubin	0.3 mg/dl
Cholesterol	123 mg/dl
Triglycerides	76 mg/dl
anti-HBc, anti-HBs	Negative

*Christina Marotta*

08/13/2010 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)