



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Human Serum (Unreactive for HBsAG and HIV)  
**Catalog Number:** 2930149\_  
**Lot:** 1696A\_

**Formula:** n/a  
**CAS #:** n/a  
**Physical Description:** Straw yellow to Golden brown liquid


**Formula Weight:** n/a  
**Storage:** -20<sup>o</sup>C

Test	Specification	Results
pH	7.0 - 8.0	7.4
Osmolality	263 - 323 mOsm/kg	298
Protein	6.8 - 8.2%	7.0 gm/dl
Hemoglobin	Not more than 26 mg/dl	2.3 mg/dl
Endotoxin	For Information Only	1.0 ng/ml
Mycoplasma	Absent	Absent
Bacteria and Fungi	Absent	Absent
HIV Antibody	Not detected	Not detected
HBsAG	Not detected	Not detected
Growth Promotion	Passes	Passes

**Additional Tests For Information Only:**

Glucose	75 mg/dl
Sodium	141 meq/l
Potassium	5.1 meq/l
Chloride	103 meq/l
B.U.N.	14 mg/dl
Creatinine	0.9 mg/dl
Uric Acid	4.4 mg/dl
Calcium	8.4 mg/dl
Phosphorus	4.5 mg/dl
Albumin	4.4 gm/dl
Total Bilirubin	0.3 mg/dl

ALT (SGPT)	12 IU/l
Alkaline phosphatase	70 IU/l
AST (SGOT)	18 IU/l
LDH	115 IU/l
Cholesterol	157 mg/dl
Triglycerides	100 mg/dl
GGT	41 IU/l

  
05/08/1988 - Joseph Dietz, Ph.D.  
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)