



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Human Type AB Serum (HCV, HIV, HBsAG Free), Heat Inactivated_
Catalog Number: 2938249_
Lot: 7457B_

Formula: n/a
CAS #: n/a
Physical Description: Light brown liquid

Formula Weight: n/a
Storage: -20^oC


Test	Specification	Results
pH	7.0 - 8.0	7.4
Osmolality	263 - 323 mOsm/kg	282 mOsm/kg
Protein	6.8 - 8.2%	6.8 %
Hemoglobin	Not more than 26 mg/dl	7.4 mg/dl
Endotoxin	For Information Only	1.9 EU/ml
Mycoplasma	Absent	Negative
Bacteria and Fungi	Absent	Negative
HCV, HIV, HBsAG	Not detected	Negative
Growth Promotion	Passes	Passes

Additional Tests For Information Only:

Glucose	97 mg/dl
Sodium	137 meq/l
Potassium	3.3 meq/l
Chloride	100 meq/l
B.U.N.	6 mg/dl
Creatinine	0.4 mg/dl
Uric Acid	2.4 mg/dl
Calcium	8.5 mg/dl
Phosphorus	2.9 mg/dl
Albumin	4.1 gm/dl
Total Bilirubin	0.4 mg/dl
ALT (SGPT)	18 IU/l
Alkaline phosphatase	49 IU/l

AST (SGOT)	20 IU/l
LDH	171 IU/l
Cholesterol	170 mg/dl
Triglycerides	159 mg/dl
HCV, anti-HBc, anti-HBs	Found negative

EXPIRATION DATE: 2/28/01



04/14/1969 - Joseph Dietz, Ph.D.
MP Biomedicals, LLC.
Technical Director

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