



Certificate of Analysis

Human Serum Type AB

Catalog Number: HS1007
Lot Number: 1006604
Volume: 100mL, sterile-filtered
Date of Manufacture: September 26, 2016
Expiration Date: August 31, 2019
Storage: ≤ -20°C

Test	Specification	Result
Physical Appearance	Clear, straw yellow solution	Conforms
Osmolality	270 - 303mOsm/kg	288mOsm/kg
Hemoglobin	< 25mg/dL	4.7mg/dL
pH	7.2 - 8.0	7.7
Electrophoresis	Representative of normal human serum	Conforms
Sterility (USP)	Sterile	Conforms
Mycoplasma	Negative	Negative
Endotoxin	< 10EU/mL	0.9EU/mL
Glucose	60 - 140mg/dL	98mg/dL
Sodium	110 - 160mEq/L	141mEq/L
Potassium	3.0 - 5.5mEq/L	3.7mEq/L
Chloride	100 - 130mEq/L	122mEq/L
Calcium	6.5 - 11.5mg/dL	8.9mg/dL
Phosphorus	2.2 - 7.0mg/dL	2.7mg/dL
Total Protein	5.0 - 8.3g/dL	5.1g/dL
Albumin	3.0 - 5.5g/dL	3.2g/dL
Total Bilirubin	0.0 - 1.5mg/dL	0.3mg/dL
Cholesterol	80 - 200mg/dL	141mg/dL
Triglyceride	30 - 160mg/dL	99mg/dL

Final filtration through sterile 0.1 micron cartridge

Each donor unit used in the preparation of this material was tested and found negative for HBsAG, HIV-1/2, anti-HCV, HCV-NAT, HIV 1-NAT, and a test for syphilis by FDA approved methods. Male donors blood type AB, collected in FDA licensed commercial donor establishments located in the US and processed in an FDA registered facility located in the US, in accordance with ethical standards.

Approved by:

John Grubb, PhD
Gojira Fine Chemicals, LLC

Date: October 6, 2016



Gojira Fine Chemicals, LLC

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