



Certificate of Analysis

Human Serum Normal Pool

Catalog Number: HD1001
Lot Number: 1120801
Volume: 100mL, sterile-filtered
Date of Manufacture: November 7, 2018
Expiration Date: October 31, 2023
Storage: ≤ -20°C

Test	Specification	Result
Physical Appearance	Clear, straw yellow solution	Conforms
Osmolality	263 - 323mOsm/kg	296mOsm/kg
Hemoglobin	< 26mg/dL	1.3mg/dL
pH	7.0 – 8.0	8.0
Electrophoresis	Representative of normal human serum	Conforms
Sterility (USP)	Sterile	Conforms
Mycoplasma	Negative	Negative
Endotoxin	< 10EU/mL	0.7EU/mL
Glucose	70 – 118mg/dL	104mg/dL
Sodium	135 – 148mEq/L	143mEq/L
Potassium	3.5 - 5.5mEq/L	4.1mEq/L
Chloride	95 – 110mEq/L	104mEq/L
Calcium	7 – 11.5mg/dL	8.6mg/dL
Phosphorus	2.2 – 7.0mg/dL	3.2mg/dL
Total Protein	6.0 – 8.0g/dL	6.9g/dL
Albumin	3.0 - 5.5g/dL	4.2g/dL
Total Bilirubin	Report	0.2mg/dL
Cholesterol	80 – 200mg/dL	153mg/dL
Triglyceride	30 – 160mg/dL	87mg/dL

The serum is filtered through a 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

Date: November 20, 2018



Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146
www.gojirafc.com • sales@gojirafc.com

Gojira Fine Chemicals, LLC
Quality Manager
Tel: 440-539-7033 Fax: 888-211-5523
john@gojirafc.com