

Certificate of Analysis

Product: Human Serum, Double Charcoal Stripped and Delipidated
Lot#: 177CM-01J05
Bulk: 714 Liters
Sample: 200mL
Filled in: 3.5 Liters/Bottle
Preservative: None
Bioburden: <10cfu/mL or no growth
Date of Manufacture: 10-20-2005
Shelf Life: Five years at -20°C from date of manufactured
Filtration: Filtered through a 0.22micron absolute membrane filter prior to bottling
Storage: -20°C
Bleed testing: Donors used in this pool were tested negative or non-reactive for: HIV-1/2, HCV, HBsAg, HIV1-Ag, (HCV/HIV-1/HBV by NAT testing) and ALT within acceptable range by FDA approved method.

Analyte	Result	Method
Calcium	5.5 mg/dL	SMAC
Phosphorus	1.3 mg/dL	SMAC
Uric acid	<0.2 mg/dL	SMAC
Alkaline Phosphatase	15 IU/mL	SMAC
LDH	16 IU/mL	SMAC
SGOT/AST	<4 U/L	SMAC
Total Bilirubin	<0.1 mg/dL	SMAC
SGPT/ALT	<4 U/L	SMAC
GGTP	8 IU/mL	SMAC
Total Protein	5.4 g/dL	SMAC
Albumin	3.7 g/dL	SMAC
Globulin	1.7 g/dL	SMAC
A/G Ratio	2	SMAC
BUN	4 mg/dL	SMAC
Creatinine	<0.1 mg/dL	SMAC
Glucose	<30 mg/dL	SMAC
Total Iron	81 µg/dL	SMAC
Chloride	126 meq/L	SMAC
Sodium	161 meq/L	SMAC
Potassium	1.5 meq/L	SMAC
Triglycerides	5 mg/dL	SMAC
Cholesterol	3 mg/dL	SMAC
Ionized calcium	2.7 mg/dL	SMAC
Osmolality	292 mOSM/Kg	SMAC
T3 Value	BLD	AccuBind ELISA
T4	BLD	AccuBind ELISA
Cortisol	<0.1 µg/dL	AccuBind ELISA

Caution: Not for use in products subject to license under section 351 of the public health safety acts. For use in research or manufacturing into non-injectable products only.