

Certificate of Analysis

Product: ISE Serum Standard
High/Low
Product Number: SM-B03417501D
Shelf Life: 2 Years
Storage Conditions: 18 – 25° C
Quantity: 1 X 100 mL, 1 X 100 mL

Component	Description	Fill Volume
SM-B03417501AD	ISE Serum Low	100 mL
SM-B03417501BD	ISE Serum High	100 mL

ISE Serum Low:

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	130.0 $\pm$ 2	mmol/L
Potassium	3.50 $\pm$ 0.05	mmol/L
Chloride	85 $\pm$ 2	mmol/L
pH	8.6 $\pm$ 0.5	pH units

ISE Serum High:

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	160.0 $\pm$ 2	mmol/L
Potassium	6.00 $\pm$ 0.05	mmol/L
Chloride	120 $\pm$ 2	mmol/L
pH	8.6 $\pm$ 0.5	pH units

Details

Function: For use in the quantitative determination of Sodium, Potassium, and Chloride in Human Serum and Plasma on AVDIA Chemistry Systems.

Quality Specifications: Passed

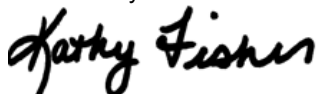
Reagent Contents: Buffered solutions of electrolytes (Na⁺, K⁺, Cl⁻), and preservative.

For *in vitro* diagnostic use only.

Traceability

Analyte	Standard	Test Method
Sodium	NIST 919b	IL 943 (Flame Photometry)
Potassium	NIST 918b	IL 943 (Flame Photometry)
Chloride	NIST 919b	Corning 925, SAT-500 Salt Analyzer (Titrimetric)
pH	Secondary Standard Traceable to NIST	pH Meter

Certified by:



Kathy Fisher
Director, Quality Assurance
Diamond Diagnostics Inc.