

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 SM-B03417501AD
1 x SM-B03417501BD

SM-B03417501AD ISE Serum Low:

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	130.0 ± 2	mmol/L
Potassium	3.50 ± 0.05	mmol/L
Chloride	85 ± 2	mmol/L
pH	8.0 ± 0.5	pH units

SM-B03417501BD ISE Serum High:

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	160.0 ± 2	mmol/L
Potassium	6.00 ± 0.05	mmol/L
Chloride	120 ± 2	mmol/L
pH	8.0 ± 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.