

Certificate of Analysis

Product: Fluid Pack
 Product Number: AV-BP5186D
 Shelf Life: 2.5 Years
 Storage Conditions: 18 – 25° C
 Quantity: 1 X 350 mL, 1 X 125 mL,
 1 X 85 mL, 1 X 100 mL

Component	Description	Fill Volume
AV-BP5186AD	Standard A	350 mL
AV-BP5186BD	Standard B	125 mL
AV-BP5186CD	Standard C	85 mL
CN-RA1024	Reference	100 mL

Standard A

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	150.0 ± 2	mmol/L
Potassium	5.00 ± 0.05	mmol/L
Lithium	0.30 ± 0.03	mmol/L
Chloride	114.2 ± 1	mmol/L
Calcium	0.9 ± 0.025	mmol/L
pH	7 ± 1	pH units

Standard B

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	100.0 ± 2	mmol/L
Potassium	1.80 ± 0.05	mmol/L
Lithium	0.30 ± 0.03	mmol/L
Chloride	72 ± 2	mmol/L
Calcium	1.50 ± 0.04	mmol/L
pH	7 ± 1	pH units

Standard C

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	150.0 ± 2	mmol/L
Potassium	5.00 ± 0.05	mmol/L
Lithium	1.4 ± 0.05	mmol/L
Chloride	114.2 ± 1	mmol/L
Calcium	0.9 ± 0.025	mmol/L
pH	7 ± 1	pH units

Reference

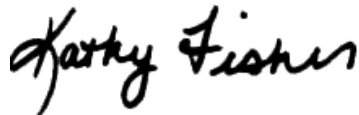
Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Potassium	1200 ± 60	mmol/L

Details
Function: This Fluid Pack is intended for use only in the Diamond SMARTLYTE, CARELYTE, GEMLYTE, and Roche AVL 91XX Electrolyte Analyzers.
Quality Specifications: Passed
Reagent Contents: An aqueous solution containing Standard A 350mL, Standard B 85mL, Standard C 85mL, Reference Solution 100mL.
For <i>in vitro</i> diagnostic use only.

Traceability

Analyte	Standard	Test Method
Sodium	NIST 919b	IL 943 (Flame Photometry)
Potassium	NIST 918b	IL 943 (Flame Photometry)
Lithium	NIST 924a	IL 943 (Flame Photometry)
Chloride	NIST 919b	Corning 925, SAT-500 Salt Analyzer (Titrimetric)
Calcium	NIST 915b	Roche 9180 (ISE)
pH	Secondary Standard Traceable to NIST	pH Meter

Certified by:



Kathy Fisher
Director, Quality Assurance
Diamond Diagnostics Inc.