

Certificate of Analysis

Product: Buffer Pack
Product Number: SM-104227D
Shelf Life: 2 Years
Storage Conditions: 18 – 25° C
Quantity: 1 X 370 mL, 1 X 90 mL

Component	Description	Fill Volume
CN-RA1015	7.382 Buffer	370 mL
CN-RA1016	6.8 Buffer	90 mL

7.382 Buffer

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	140 $\pm$ 1.5	mmol/L
Potassium	4.00 $\pm$ 0.05	mmol/L
Chloride	100 $\pm$ 1.5	mmol/L
Calcium	1.25 $\pm$ 0.03	mmol/L
pH	7.382 $\pm$ 0.005	pH units

6.8 Buffer

Parameter	Specified Range	Units
Appearance	Clear, free of visible particulate matter	
Sodium	110 $\pm$ 1.5	mmol/L
Potassium	8.00 $\pm$ 0.08	mmol/L
Chloride	70 $\pm$ 1.5	mmol/L
Calcium	2.50 $\pm$ 0.05	mmol/L
pH	6.838 $\pm$ 0.005	pH units

Details

Function: To provide calibration points for the Na⁺, K⁺, Cl⁻, Ca⁺⁺, pH, and hematocrit electrodes.

Quality Specifications: Passed

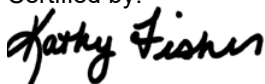
Reagent Contents: An aqueous solution containing 90 ml 6.838 buffer, 370 ml 7.382 buffer and preservative.

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)
Calcium	NIST 915b	Roche 9180 (ISE)
pH	NIST 2186i, 2186ii	Siemens Blood Gas Analyzer (ISE)

Certified by:



Kathy Fisher
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