

Elyte[®] - 2 Kit Colorimetric Method

Intended Use: _____

Sodium and Potassium are the major cations of extracellular and intra cellular fluids respectively. Sodium maintains the normal distribution of water and the osmotic pressure in the various fluid compartments. Potassium influences the acid base balance and osmotic pressure including water retention. Increased sodium levels are found in severe dehydration and excessive treatment with sodium salts. Decreased levels are found in severe polyuria, metabolic acidosis, diarrhea and renal insufficiency. Increased potassium levels are found in renal failure, dehydration, shock and adrenal insufficiency. Decreased levels are found in malnutrition, gastro – intestinal fluid loss and hyperactivity of the adrenal cortex. Elyte[®] - 2 kit uses the colorimetric method to determine sodium and potassium in serum.

Elyte[®] - 2 Kit components:

Sodium:

L1	Precipitating Reagent
L2	Acid Reagent
L3	Color Reagent

Potassium:

L1	Potassium Reagent
S	Na+/K+ Standard (150/5 mmol/l)
Other Accessories	Package Insert

System Parameters, Na⁺

Reaction	: End Point	Interval	: ---
Wavelength	: 530 nm	Sample Vol.	: 0.02 ml
Zero Setting	: Reagent Blank	Reagent Vol.	: 1.10 ml
Incub. Temp	: R.T.	Standard	: 150 mmol/l
Incub. Time	: 5 min.	Factor	: ---
Delay Time	: ---	React. Slope	: Decreasing
Read Time	: ---	Linearity	: 200 mmol/l
No. of read.	: ---	Units	: mmol/l

System Parameters, K⁺

Reaction	: End Point	Interval	: ---
Wavelength	: 630 nm	Sample Vol.	: 0.02 ml
Zero Setting	: Reagent Blank	Reagent Vol.	: 1.00 ml
Incub. Temp	: R.T.	Standard	: 5 mmol/l
Incub. Time	: 5 min.	Factor	: ---
Delay Time	: ---	React. Slope	: Increasing
Read Time	: ---	Linearity	: 8.0 mmol/l
No. of read.	: ---	Units	: mmol/l

Storage / Stability	Temperature	Duration
Unopened kit	R.T.	24 Months
Opened Kit (Unmixed)	R.T.	24 Months

Available Pack Sizes
15 Tests