

Calcium Kit Arsenazo III Method

Intended Use: _____

Calcium, in the body, is found mainly in the bones (approximately 99 %). In serum calcium exists equally in a free ionized form and in a bound form (with albumin). Hence a decrease in albumin causes lower calcium levels and vice versa. The levels of calcium in serum depend on the parathyroid hormone. Increased calcium levels are found in bone tumors, hyperparathyroidism. Decreased levels are found in hypoparathyroidism, renal failure, rickets, Vitamin D deficiency and pancreatitis. Calcium kit uses the Arsenazo III method to determine calcium activity in serum or plasma.

Calcium Kit components:

L1	Calcium Reagent
S	Calcium Standard (10 mg/dl)
Other Accessories	Package Insert

System Parameters

Reaction	: End Point	Interval	: ---
Wavelength	: 650 nm	Sample Vol.	: 0.01 ml
Zero Setting	: Reagent Blank	Reagent Vol .	: 1.00 ml
Incub. Temp	: R. T.	Standard	: 10 mg/dl
Incub. Time	: 5 min.	Factor	: ---
Delay Time	: ---	React. Slope	: Increasing
Read Time	: ---	Linearity	: 15 mg/dl
No. of read.	: ---	Units	: mg/dl

Storage / Stability	Temperature	Duration
Unopened kit	2-8°C	24 Months
In use stability	2-8°C	7 Days

Available Pack Sizes	
75 ml	3 X 75 ml