

Calcium Kit OCPC 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 OCPC method to determine calcium activity in serum or plasma.

Calcium Kit components:

L1	Buffer Reagent
L2	Color Reagent
S	Calcium Standard (10 mg/dl)
Other Accessories	Package Insert

System Parameters

Reaction	: End Point	Interval	: ---
Wavelength	: 570 nm	Sample Vol.	: 0.02 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	: 18 mg/dl
No. of read.	: ---	Units	: mg/dl

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

Available Pack Sizes	
2 X 35 ml	2 X 75 ml
2 X 150 ml	