

Zinc Kit Colorimetric Method

Intended Use:

Zinc is important in human for growth and sexual development. It is present in various organs and is a component of many enzymes. Zinc found in serum is totally bound to protein with over 60 % being bound to albumin. Increased levels are found in patients associated with gastrointestinal disorders accompanied with nausea, vomiting, high fever and a metallic taste. Decreased levels are found in cirrhosis, lung carcinomas, sickle cell anemia, acute myocardial infarction, renal failure, corticosteroid and oral contraceptive therapy. Zinc kit uses colorimetric method to determine zinc in serum & urine.

Zinc Kit components:

L1	Buffer Reagent
L2	Color Reagent
S	Zinc Standard (200 µg/dl)
Other Accessories	Package Insert

System Parameters

Reaction	: End Point	Interval	: ---
Wavelength	: 578 nm	Sample Vol.	: 0.05 ml
Zero Setting	: Reagent Blank	Reagent Vol.	: 1.00 ml
Incub. Temp	: R. T.	Standard	: 200 µg/dl
Incub. Time	: 5 min.	Factor	: ---
Delay Time	: ---	React. Slope	: Increasing
Read Time	: ---	Linearity	: 700 µg/dl
No. of read.	: ---	Units	: µg/dl

Storage / Stability	Temperature	Duration
Unopened kit	2-8°C	18 Months
Opened Kit (Unmixed)	2-8°C	18 Months
In use stability (Working reagent)	2-8°C	2 Weeks

Available Pack Sizes	
25 ml	75 ml