BIOBOON BIOTECH LLC

Innovative Diagnostics for a Healthier Tomorrow

Accurate Calcium Measurement for Better Health

Calcium Test Kit

Arsenazo III Method

Quantitative determination of calcium in human Serum / Plasma / other body fluids.

Only for In Vitro Diagnostic Use.



- Accurate Results
- Easy to Use
- Reliable Reagents
- Suitable for Manual & Automated Systems

TEST PRINCIPLE

Calcium reacts with Arsenazo III at neutral pH to form a blue coloured complex. The intensity of the colour formed is proportional to the calcium concentration in the sample.



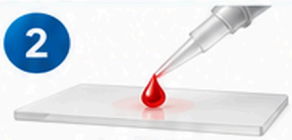
KEY PARAMETERS

Wavelength	650 nm (620 – 650 nm)
Reaction Type	End Point
Reaction Temperature	Room Temperature (RT)
Sample Volume	25 µL
Reagent Volume	1000 µL
Incubation Time	5 minutes
Measurement	Against reagent blank
Units	mg/dL
Blank Absorbance Limit	< 0.80

TEST PROCEDURE (MANUAL METHOD)



1. Add 1000 µL Reagent 1 into a test tube.



2. Add 25 µL sample (serum / plasma / urine) and mix.



3. Incubate for 5 minutes at room temperature.



Read absorbance against the reagent blank.

SAMPLE TYPE



Serum | Plasma (Heparin) | Urine

Do not use EDTA plasma.

Discard contaminated specimens. Freeze only once!

REFERENCE VALUES

Serum	**8.8 – 10.2 mg/dL** (2.2 – 2.55 mmol/L)
Urine (24 hours)	**100 – 300 mg/24 h** (2.5 – 7.5 mmol/24 h)

Indicative values; each laboratory should establish its own normal range.

REAGENT STORAGE

- Store at room temperature (RT).
- Never freeze or expose to elevated temperature.
- Protect from light.
- Stable until the expiry date stated on the product label. Do not use past the expiry date.

India Office
BIOBOON BIOTECH INDIA LLP
207. Regent Square, 2nd floor, Above D'mart shopping mall
Adajan, Surat - 395009
info@bioboonbiotech.com

Global Diagnostic Solutions for a Brighter, Healthier World

USA Address
BIOBOON BIOTECH LLC
1526 West 3rd Street,
Plainfield, NJ, 07063, USA
mahipal@bioboonbiotech.com