BIOBOON BIOTECH LLC

Innovative Diagnostics for a Healthier Tomorrow

Accurate Calcium Measurement for Better Health

20 Ca Calcium 40.078

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.

Ca^{2+} + Arsenazo III → Blue coloured complex (Absorbed at 650 nm)

SAMPLE TYPE



Serum | Plasma (Heparin) | Urine

Do not use EDTA plasma.

TEST PROCEDURE (MANUAL METHOD)

1. Add 1000 µL Reagent into a test tube.
2. Add 25 µL sample (serum / plasma / urine) and mix.
3. Incubate for 5 minutes at room temperature.
4. Read absorbance at 650 nm against reagent blank.



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.

STORAGE & STABILITY

- Store at 2–30°C (room temperature).
- Do not freeze.
- Protect from light.
- Keep reagents tightly closed.
- Use before the expiry date on the label.

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

Global Diagnostic Solutions for a Healthier Tomorrow

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