

CALCIUM -IONIZED, WHOLE BLOOD

Orderable - CAIBLD

Turn Around Time: 24 hours

Alternate Name(s):

Ionized Calcium

Specimen:

4.5 mL Green (Lithium Heparin) top Vacutainer tube or Electrolyte-balanced heparin in blood gas syringes.

or

6 mL Dark Green (Sodium Heparin) top Vacutainer tube is also acceptable.

Collection Information:

Venous or arterial specimens are preferred.

For venous and arterial specimens, do not remove top until ready to analyze.

DO NOT USE A TOURNIQUET WHEN COLLECTING A SPECIMEN FOR IONIZED CALCIUM.

Pediatric Requirements:

Capillary specimens are to be drawn on pediatric patients only, when a venous or arterial specimen is NOT an option. When collecting a capillary specimen, the specimen must be collected in a capillary tube; not a microtainer, mixed with a magnet and capped. It must be sent on ice.

Minimum volume required is 125µL

Glass clinitube (heparinized)

Mixing wire (flea)

Caps

Magnet

- when done collecting blood, apply caps tightly to both ends of the clinitube
- mix blood with metal flea by running magnet up and down full length of the tube multiple times, to prevent clotting
- samples must be sent to lab on ice



Laboratory:
Core Lab




Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Ion Selective Electrodes
(potentiometric sensors)



Test Schedule:
As required



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Reference Ranges:

1.09-1.30 mmol/L

Storage and Shipment:

Specimen is suitable for testing up to 8 hours after collection. Specimen must NOT be exposed to air prior to collection. Please keep the specimen anaerobic and do not aliquot. The sample should be refrigerated and sent refrigerated (on cold packs) to LHSC for analysis.