

CALCITONIN,
FINE
NEEDLE
ASPIRATE

Orderable - CALCFNR

Turnaround Time: 5 days

Alternate Name(s):

Thyrocalcitonin

Specimen:

Two samples:

The first is uncontaminated Plasma-Lyte and serves as a blank.

The second is 1 mL of Plasma-Lyte that has been used to rinse the biopsy needle as described below.

Collection Information:

- 1) Needle rinse specimens for analysis should be collected in conjunction with cytology specimens. After each fine-needle aspiration biopsy (FNAB) has been performed and the material in the needle has been expelled onto a slide for cytologic analysis, attach the used FNAB needle to an empty syringe.
- 2) Put 1 mL of Plasma-Lyte in a tube. Draw up 0.10-0.25 mL of Plasma-Lyte through the needle until it starts to fill the hub of the needle or end of the syringe.
- 3) Expel this fluid back through the needle into a separate tube (50-mL conical tube or other screw-top tube containing NO additive). The tube should be labelled "CALCFNR-FNA in Plasmalyte Sol". This is the needle rinse fluid used for analysis.
- 4) Draw up more fluid from step 2 and expel into the same tube as step 3 until 1 mL of Plasma-Lyte has rinsed the needle. Send the pooled needle rinse fluid to the laboratory. If more than one site is biopsied, needle rinse fluid from different sites should be submitted in separate tubes and under different accession numbers. The site biopsied for each specimen must be clearly identified as an order comment (not a label comment).
- 5) Also collect at least 1 mL of Plasma-Lyte that has not been used to rinse the needle. This should be put in a 50-mL conical tube or other screw-top tube containing NO additive and the tube should be labelled "CALCBW-Blank Wash". This will be analyzed and used as a control since the assay has not been fully validated using Plasma-Lyte as a sample type.
- 6) Deliver samples to the lab as soon as possible after collection

Reference Ranges:



Laboratory:
Endocrinology Lab



Requisition:
GENERAL LABORATORY
REQUISITION



Method of Analysis:
Diasorin
Chemiluminescence



Test Schedule:
Monday - Friday
0800-1600



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There is no reference interval available for this specimen type. Interpretation should be made based on comparison with the Plasma-Lyte control and cytology results.

Special Processing:

Once the samples are received by the Core Laboratory, they will be aliquoted and centrifuged and the supernatants will be frozen as soon as possible.

Comments:

The limit of quantitation of the assay is 3 ng/L. If a blank result of > 3 ng/L were to be obtained, a technical investigation would be performed prior to reporting of result.

This test is only available at the request of Dr. Stan Van Uum or Dr. Deric Morrison. Any other physicians ordering this test will require biochemist approval from Dr. Angela Rutledge at extension 77626.

Storage and Shipment:

Store and ship frozen.