MAYO CLINIC LABORATORIES

Test Definition: FBROM

Bromine - Total, Blood

Overview

Method Name
Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)

NY State Available
Yes

Specimen

Specimen Type
Whole Blood EDTA - Metal Free (ERB)

Specimen Required
*****Must submit one specimen per order. Specimens cannot be shared between multiple orders.*****

Specimen Type: Whole blood
Collection Container/Tube: Royal blue top (Trace metal-free EDTA)
Specimen Volume: 2 mL
Collection Instructions:
1. Do not use disinfectants containing iodine, eg, Betadine, during venipuncture.
2. Send whole blood specimen in original tube.
3. Send refrigerated.

Note: Avoid exposure to gadolinium or iodine-based contrast media for 96 hours prior to specimen collection.

Specimen Minimum Volume
0.7 mL

Reject Due To

All specimens will be evaluated by the processing and performing laboratories for test suitability.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Whole Blood EDTA - Metal Free (ERB)	Refrigerated (preferred)	30 days	METAL FREE
	Ambient	30 days	METAL FREE
	Frozen	365 days	METAL FREE

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Clinical & Interpretive

Reference Values
Reporting limit determined each analysis.

Interpretation
The population reference interval derived from NMS Labs data (n=136) is usually between 1.4 and 8.8 mg/L (2.5th - 97.5th percentiles). Background concentrations are diet dependent. Workers exposed to methyl bromide with blood bromide concentrations greater than 12 mg/L have shown 3.5 times higher risk of electroencephalogram disturbances than compared to those with normal levels.

Cautions
Specimens for elemental testing should be collected in certified metal-free containers. Elevated results for elemental testing may be caused by environmental contamination at the time of specimen collection and should be interpreted accordingly. It is recommended that unexpected elevated results be verified by testing another specimen in a trace metal-free container.

Clinical Reference
Refer to www.nmslabs.com/test-catalog.

Performance

PDF Report
No

Day(s) Performed
Monday through Sunday

Report Available
7 to 11 days

Performing Laboratory Location
NMS Labs

Fees & Codes

Fees
- Authorized users can sign in to Test Prices for detailed fee information.
- Clients without access to Test Prices can contact Customer Service 24 hours a day, seven days a week.
- Prospective clients should contact their account representative. For assistance, contact Customer Service.

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Test Classification

This test was developed and its performance characteristics determined by NMS Labs. It has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information

82542

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FBROM	Bromine - Total, Blood	42725-2

Result ID	Test Result Name	Result LOINC® Value
Z5979	Bromine - Total	42725-2