

**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:** Blood**Collection Container/Tube:** Royal Blue top tube (Trace metal-free; EDTA)**Specimen Volume:** 2 mL**Collection Instructions:** Draw blood in a royal blue top (trace metal-free; EDTA) tube(s). Send 2 mL refrigerated.**NOTE:** Avoid exposure to gadolinium or iodine based contrast media for 96 hours prior to sample collection. Do not use disinfectants containing iodine, such as Betadine, during venipuncture.**Specimen Minimum Volume**

0.7 mL

**Reject Due To**

Other/Tissue/Swab	Polymer gel separation tube (PST), Gray top tube (Sodium Fluoride / Potassium Oxalate), Lavender top tube (EDTA), any tube that is not trace metal-free
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**Specimen Stability Information**

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

## Clinical & Interpretive

### Reference Values

Reporting limit determined each analysis.

Units: mg/L

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.

## Performance

### PDF Report

No

### Day(s) Performed

Monday - 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](#).

### 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