

Reporting Title: Bromine - Total, Blood**Performing Location:** NMS Labs**Specimen Requirements:**

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

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

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z5979	Bromine - Total	Alphanumeric		42725-2

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

82542

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.