

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 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.