

Patient Information	Specimen Information	Client Information

Micronutrients

Test Name	In Range	Out of Range	Reference Range	Population Distribution	Population Percentile	Historical Result
HEAVY METAL						
LEAD, BLOOD (VENOUS) Lab :	<1.0		<3.5 mcg/dL			-

PERFORMING SITE:

SPECIMEN:

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Comments

Analyte Name

LEAD, BLOOD (VENOUS)

No safe blood lead level (BLL) in children has been identified.

Lead is a naturally occurring element found in small amounts in all parts of our environment. Changes to the soil like mining, smelting, and refining can release lead into the air and eventually settle to the ground, where it may get into water sources. However, most exposure occurs in the industrial sector. Lead affects almost every organ and system in the body and is especially detrimental to children under 6 and pregnant women. Exposure can lead to increased blood pressure, decreased kidney function, memory loss, and reproductive problems.

For more information, visit <https://www.epa.gov/lead/learn-about-lead>

This test was developed and its analytical performance characteristics have been determined by Quest Diagnostics Nichols Institute Chantilly, VA. It has not been cleared or approved by the U.S. Food and Drug Administration. This assay has been validated pursuant to the CLIA regulations and is used for clinical purposes.

End Notes:

Population Distribution Interpretation:

Quest population data from 1/1/2020 to 3/16/2021 was used to build the population distribution curves. The x-axis represents the biomarker result value and the y-axis represents the patient kernel density estimate, which is a smoothed version of the histogram.

Solid grey lines represent reference interval cutoffs. A data point at the extent of the x-axis may represent a value below/above the lower/upper limits of the x-axis range.

The population percentile indicates where a patient's result is relative to the whole population. For example, a patient result labeled as 45th percentile means 45% of the population has a test result lower than this resulted value.

PERFORMING SITE:

SPECIMEN: