



Elemental Analysis - Blood Spot Cards
Inductively Coupled Plasma/Mass Spectrometry

John Doe

Practitioner Dr. Smith	Dates	Taken	Arrived	Analyzed
	Present	1/4/2021	1/5/2021	1/7/2021
Date Of Birth 7/15/1974	Previous	NA	NA	NA

Nutrient Elements

Percentile Rank by Quintile										
Element	1/4/2021	NA	Range	Units	20	40	60	80	100	Percentile
Copper	68	NA	58 - 107	µg/dL						18%
Selenium	250	NA	85 - 318	µg/L						80%
Zinc	520	NA	358 - 663	µg/dL						59%

Potentially Toxic Elements

Percentile Rank by Quintile										
Element	1/4/2021	NA	Range	Units	20	40	60	80	100	Percentile
Antimony	3.0	NA	< 4.7	µg/L						23%
Arsenic	1.7	NA	< 4.0	µg/L						56%
Cadmium	0.4 B	NA	< 0.65	µg/L						67%
Lead	1.10	NA	< 1.62	µg/dL						64%
Mercury	6.0	NA	< 5.8	µg/L						93%

Quicksilver Scientific

1960 Cherry Street

Lafayette, CO 80026

(303)-531-0861

Lab Director: Christopher W. Shade, Ph. D.
www.quicksilverscientific.com

These test results are not intended for the diagnosis of disease. They are intended for interpretation by qualified healthcare professionals with a full knowledge of patient history to assist in their administration of an appropriate healthcare regimen.



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Report Comments and Interpretation

Reference ranges are compiled from laboratory generated data to reflect the 5th-95th (or <95th) percentile ranking of the sample population with the following exceptions:

- Upper limit of the reference ranges for antimony, arsenic, cadmium, and lead reflect the 90th percentile of population data.
- Upper reference range for mercury reflects EPA specified guidelines.
- The blood lead reference level for children ages 1-5 is 5 µg/dL, updated by the CDC on October 30, 2012.

Results for elements that are not detected are reported as "< x," where x is equal to the method detection limit. Percentile rankings are only plotted for elements with sufficient population data and for results greater than the method detection limit for the particular element.

Results containing a "B" indicate that the result is between the method detection limit and the method quantitation limit and should be considered an estimate. These results are reported with 99% confidence that the result is greater than zero, but the result is not accurately quantifiable and has +/- 100% uncertainty.

Results containing an "H" indicate the result is above the instrument calibration range for that particular element, so the accuracy of the reported value cannot be guaranteed. However, any result that is above the calibration range is above the 99.9 percentile.

Reference ranges for mercury and arsenic were created using US population data. Our population database averages for both metals from Hong Kong and Japan have are roughly double the US average.

Report Qualifiers

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