



Elemental Analysis - Blood Spot Cards
 by Inductively Coupled Plasma/Mass Spectrometry
www.quicksilverscientific.com
 Lab Director: Christopher W. Shade, PhD

Patient															
Practitioner	Practitioner	Dates	Taken	Arrived	Analyzed										
		Present	mm/dd/yyyy	mm/dd/yyyy	1/0/1900										
Date Of Birth	mm/dd/yyyy	Previous	NA	NA	NA										
Nutrient Elements															
Element	Results	Prior	Recommended Limit	Units	Percentile Rank by Quintile										Percentile
					10	20	30	40	50	60	70	80	90		
Copper (Cu)	64	NA	59 - 108	µg/dL											9%
Selenium (Se)	210	NA	85 - 318	µg/L											56%
Zinc (Zn)	509	NA	358 - 664	µg/dL											50%

Blood Spot Element Ratios															
Element	Results	Prior	Recommended Limit	Units	Percentile Rank by Quintile										Percentile
					10	20	30	40	50	60	70	80	90		
Cu/Zn Ratio	0.126	NA	0.09-0.21	NA											23%

Toxic Elements															
Element	Results	Prior	Recommended Limit	Units	Percentile Rank by Quintile										Percentile
					10	20	30	40	50	60	70	80	90		
Antimony (Sb)	4.0	NA	< 4.75	µg/L											63%
Arsenic (As)	4.0	NA	< 4.15	µg/L											88%
Cadmium (Cd)	0.7	NA	< 0.65	µg/L											90%
Lead (Pb)	0.50	NA	< 1.67	µg/dL											20%
Mercury (Hg)	2.0	NA	< 5.8	µg/L											46%

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

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

- Upper limit of the recommended limit for antimony, arsenic, cadmium, and lead reflect the 90th percentile of population data.
- Upper recommended limit for mercury reflects EPA specified guidelines.

The blood lead recommended limit for children ages 1-5 is 5 µg/dL, which represents the 97.5 percentile.

- CDC update 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.

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