

Patient Name :
 DOB/Age/Gender : Bill Date :
 Patient ID / UHID : Sample Collected :
 Referred By : Sample Received :
 Sample Type : Report Date :
 Barcode No : Report Status :

Test Description	Value(s)	Unit(s)	Reference Range
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BIOCHEMISTRY REPORT

Mercury, Serum

Mercury Serum by ICPMS 0.79 µg/L 0.21-1.3

Interpretation:

Mercury- Blood Interpretation	Associated conditions
Mercury exposure can occur from-Dental amalgams,Broken thermometers,barometers,contaminated sea food consumption,preservatives (esp. thimerosal),Grain seeds treated with methyl mercury fungicide.	Mercury toxicity is often manifested as Mental symptoms (insomnia, fatigue, poor short- term memory),tremor,stomatitis,gingivitis,GI and Renal disturbances and decreased immunity.

1. Whole Blood / Serum metal testing is used for the detection of recent exposure or poisoning with the toxic element. However, blood metal levels in healthy subjects can vary considerably with exposure to the particular metal present in the diet and in the environment.
2. It should be noted that low or within acceptable levels in blood / Serum do not always exclude that the element is uninvolved in contributing to the patient's symptoms because certain elements may be sequestered in tissues.
3. Lower metal levels in patients on follow-up imply that the toxic element exposure is reduced in the patient's immediate environment or that the body has efficiently eliminated the toxic element.

Reference –

1. Sample collection guidelines for trace elements in blood and urine. International union of pure and applied chemistry clinical chemistry division commission on toxicology working party. Pure & Appl. Chem., Vol. 67, Nos 8/9, pp. 1575-1608, 1995.
2. Nutrient & toxic elements interpretative guide, metamatrix, USA, 2011.



Sohini Sengupta

Dr. Sohini Sengupta
 MD (Cl Biochemistry), DNB,
 FNB (Lab Medicine)
 Medical Laboratory Director
 HOD (Biochemistry & Special Assays)

Booking Centre :- ASIMAYAN NANDI, Asimayan Nandi
 Processing Lab :- Redcliffe Lifetech Pvt. Ltd., H-55, Sector-63, Noida, Uttar Pradesh - 201301

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