

Patient Name : Mr MR.DUMMY	Sample Collected : Apr 26, 2024, 01:00 PM
DOB/Age/Gender : 23 Y/Male	Report Date : May 09, 2024, 01:14 PM
Patient ID / UHID : 8052245/RCL7248991	Barcode No : ZC665892
Referred By : Dr. X	Report Status : Final Report
Sample Type : Whole blood EDTA	

Test Description	Value(s)	Unit(s)	Reference Range
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Chromium, Blood

Chromium (ICPMS)	0.98	µg/L	0.7 - 28
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Interpretation:

Chromium Interpretation	Associated conditions
Chromium is a naturally occurring element in rocks, animals, plants, soil, and volcanic dust and gases. Thus, the general population is exposed to chromium (generally chromium [III]) through food, drinking water, and inhaling air containing the chemical. Chromium (III) is essential to normal glucose, protein, and fat metabolism and is thus an essential dietary element. Our body has several detoxification systems for reducing chromium (VI) to chromium (III). Excess Chromium exposure may occur commonly in industrial processes like manufacture of cars, glass, pottery and linoleum which involves air emissions of chromium in the form of small particles or aerosols.	Overexposure to chromium may cause gastrointestinal symptoms, such as diarrhoea and vomiting, severe water/electrolyte disorders, increased blood acidity and body tissues (acidosis). Lesions on the kidneys, liver, and muscular layer of the heart (myocardium) may also develop. Carcinogenic effects causing lung, respiratory & renal cancers.

1. Whole Blood 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 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.

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



Dr. Dummy



Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
 Processing Lab :-

📞 928-909-0609

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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.
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