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| Patient Name : Mr MR.DUMMY | Sample Collected : Apr 26, 2024, 01:00 PM |
| DOB/Age/Gender : 23 Y/Male | Report Date : May 09, 2024, 01:12 PM |
| Patient ID / UHID : 8052491/RCL7248970 | Barcode No : ZC667767 |
| Referred By : Dr. X | Report Status : Final Report |
| Sample Type : Whole blood EDTA | |

| Test Description | Value(s) | Unit(s) | Reference Range |
|------------------|----------|---------|-----------------|
|------------------|----------|---------|-----------------|

Manganese, Blood

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|-------------------------|-----|------|--------|
| Manganese ICPMS (Blood) | 6.5 | µg/L | 4 - 15 |
|-------------------------|-----|------|--------|

Interpretation:

- Manganese is an essential element used as a co-factor for a number of enzymatic reactions. Main intake is derived from food, vegetables, germinal portions of grains, fruits, nuts, tea and some spices.
- It is used in industries dealing with steel alloys, dry cell batteries, electrical coils, ceramics, matches, glass tiles, welding rods, animal food additives & fertilizers. Individuals working in industries with high concentrations of manganese dust show a 30 times greater incidence of respiratory disease than normal individuals.
- Exposure to Mn in work place primarily from inhalation of dust and fumes. Smaller particles get deposited in the lower respiratory tract and mainly absorbed into the blood and lymph nodes. Manganese exposure leads to abnormal electrocardiogram and inhibits myocardial contraction.
- Human exhibits toxicity to Mn when exposed to large quantities of dusts containing the metal, in mining, ore crushing, machining of Mn alloys, construction and destruction of brick. Mn toxicity is also a concern in newborns and children receiving long term parenteral nutrition.

Increased Levels : Acute hepatitis, Industrial exposure, Myocardial infarction
Decreased Levels : Seizures, Phenylketonuria

*** 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 :-

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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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