



itDose

Taking You Beyond The Limits

<b>Visit ID</b> : ITS1484	Registration : 10/Mar/2023 01:32PM
UHID/MR No : ITD.0000000631	Collected : 10/Mar/2023 01:33PM
<b>Patient Name</b> : MR. DEMO	Received : 10/Mar/2023 01:34PM
Age/Gender : 21 Y 3 M 15 D /M	Reported : 10/Mar/2023 01:34PM
Ref Doctor : SELF	Status : Final Report
Client Name : STANDARD	Client Code : 78
Client Add : D 159, 1st Floor, Sector 7, No	Barcode No : 10060117

DEPARTMENT OF BIOCHEMISTRY

ALUMINIUM SERUM

Sample Type : SERUM

Aluminium Serum	10.00	L	ug/L	Normal Individual < 10
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Medical Remarks: Rechecked with two successive samples. Correlate clinically

Aluminium Interpretation	Associated conditions
Aluminium exposure can occur from- antacids abuse, and specific occupational related exposure. It is known to be present in alum, dental amalgams, antacids, tobacco smoke & hence prior exposure to the above mentioned causes should be considered before testing.	Prolonged exposure to aluminium is implicated in chronic renal failure, aetiopathogenesis of neurodegenerative diseases like Alzheimer's disease.

1. 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 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.

\*\*\* End Of Report \*\*\*

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