

Patient Name : Mr MR.DUMMY	Sample Collected : Apr 26, 2024, 01:00 PM
DOB/Age/Gender : 23 Y/Male	Report Date : May 09, 2024, 01:18 PM
Patient ID / UHID : 8052144/RCL7248765	Barcode No : ZC674489
Referred By : Dr. X	Report Status : Final Report
Sample Type : Serum	

Test Description	Value(s)	Unit(s)	Reference Range
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Aluminium

ALUMINUM, SERUM (ICPMS)	3.4	µg/L	<15.00
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Interpretation:
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REFERENCE GROUP	REFERENCE RANGE IN µg/L
Normal individuals	<15.00
On hemodialysis	<40.00
Toxicity	>50.00

Note :
 1. Inductively Coupled Plasma Mass Spectrometry (ICPMS) is used to determine the level of heavy / trace metals in biological tissues
 2. There is a circadian variation in aluminum levels in normal individuals, being highest at 9 am and lowest at 6 pm

Comments
 Aluminum is the third most abundant metal in the earth’s crust used mainly in the form of alloys. Human exposure to aluminum comes primarily from food and secondarily from drinking water. Other sources of exposure are aluminum foil & deodorants. The amount of aluminum as food additives is very small as compared to its pharmaceutical use in antacids and buffered analgesics. Acute aluminum toxicity is rare, most cases occurring in patients with Chronic Renal Failure and due to occupational exposure. Increased aluminum levels have been detected in Alzheimer’s disease, but the exact role is controversial. Aluminum interacts with calcium in the bone and kidney resulting in Aluminum Osteodystrophy

Increased Levels
 Renal failure, hemodialysis using aluminum dialysate, prolonged IV feeding of preterm infants with aluminum containing solutions, Hodgkins disease & Cystic fibrosis

*** 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

ccsupport@redcliffelabs.com

www.redcliffelabs.com

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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