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NAME : Mr. MANTHAN
AGE/ GENDER : 17 YRS/MALE
COLLECTED BY :
REFERRED BY :
BARCODE NO. : 01520814
CLIENT CODE. : KOS DIAGNOSTIC LAB
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1672413
REG. NO./LAB NO. : 012411140060
REGISTRATION DATE : 14/Nov/2024 06:43 PM
COLLECTION DATE : 14/Nov/2024 06:46PM
REPORTING DATE : 15/Nov/2024 09:06AM

Test Name	Value	Unit	Biological Reference interval
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CLINICAL CHEMISTRY/BIOCHEMISTRY

LITHIUM

LITHIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	1.07	mmol/L	0.30 - 1.50
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INTERPRETATION:

Therapeutic	mmol/L	0.6 - 1.2
Potentially toxic	mmol/L	1.5 - 2.5
Severely toxic	mmol/L	> 2.5

- 1.Serum Lithium levels are useful for monitoring therapy of patients with bipolar disorders, including recurrent episodes of mania and depression and for evaluation of toxicity
- 2.Lithium alters the intraneuronal metabolism of catecholamines by an unknown mechanism. It is used to suppress the manic phase of manic-depressive psychosis.
- 3.Lithium is distributed throughout the total water spaces of the body and is excreted primarily by the kidney.
- 4.Toxicity from lithium salts leads to ataxia, slurred speech, and confusion.
- 5.Since the concentration of lithium in the serum varies with the time after the dose, blood for lithium determination should be drawn at a standard time, preferably 8 to 12 hours after the last dose (trough values).

NOTE:-Values above 1.6 mmol/L (trough values) are generally considered toxic and are indicative of dose modulation.

*** End Of Report ***



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