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NAME : Mrs. SUMAN CHAUHAN  
AGE/ GENDER : 43 YRS/FEMALE  
COLLECTED BY :  
REFERRED BY :  
BARCODE NO. : 01515379  
CLIENT CODE. : KOS DIAGNOSTIC LAB  
CLIENT ADDRESS : 6349/1, NICHOLSON ROAD, AMBALA CANTT

PATIENT ID : 1585666  
REG. NO./LAB NO. : 012408200051  
REGISTRATION DATE : 20/Aug/2024 03:26 PM  
COLLECTION DATE : 20/Aug/2024 03:28PM  
REPORTING DATE : 20/Aug/2024 04:49PM

Test Name	Value	Unit	Biological Reference interval
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CLINICAL CHEMISTRY/BIOCHEMISTRY

LITHIUM

LITHIUM: SERUM by ISE (ION SELECTIVE ELECTRODE)	1.02	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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