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NAME	: Mrs. SUMAN DEVI	PATIENT ID	: 1783132
AGE/ GENDER	: 40 YRS/FEMALE	REG. NO./LAB NO.	: 012503080029
COLLECTED BY	:	REGISTRATION DATE	: 08/Mar/2025 08:58 AM
REFERRED BY	:	COLLECTION DATE	: 08/Mar/2025 09:01AM
BARCODE NO.	: 01526700	REPORTING DATE	: 08/Mar/2025 12:54PM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CANTT		

Test Name	Value	Unit	Biological Reference interval
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CLINICAL CHEMISTRY/BIOCHEMISTRY

LITHIUM

LITHIUM: SERUM <i>by ISE (ION SELECTIVE ELECTRODE)</i>	0.93	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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