

Patient Name : Mr MR.DUMMY	Sample Collected : Apr 26, 2024, 01:00 PM
DOB/Age/Gender : 23 Y/Male	Report Date : May 09, 2024, 01:12 PM
Patient ID / UHID : 8052475/RCL7248883	Barcode No : ZC669782
Referred By : Dr. X	Report Status : Final Report
Sample Type : EDTA Plasma	

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

Lamotrigine (Plasma,LCMS-MS)	4.5	mg/L	2.5 - 15
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Interpretation:
Test Description –
 Lamotrigine is a GABA agonist, like phenytoin and carbamazepine, blocks repetitive nerve firings induced by depolarization of spinal cord neurons. Lamotrigine is completely absorbed from the gastrointestinal tract after oral administration. It is 60% bound to plasma proteins with half-life ranges from 20 to 30 hours.
Clinical Utility –
 Lamotrigine is useful for adjunctive therapy of partial seizures. TDM is particularly helpful in optimizing Lamotrigine therapy.
Limitations –
 Co-administration with CYP2C19 – inducing drugs such as phenobarbital, phenytoin or carbamazepine result in reduced Lamotrigine concentration – dosage increases of approximately 30% are required to maintain optimal blood concentration.
 There are large inter individual variations in plasma concentrations in patients on monotherapy and its pharmacokinetics are also influenced by pregnancy and oral contraceptives.

*** 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 :-

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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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