

Carbamazepine (Tegretol)

Order Name: **TEGRETOL**

Test Number: 4004800

Revision Date: 04/30/2021

TEST NAME	METHODOLOGY	LOINC CODE
Carbamazepine (Tegretol)	Enzyme Immunoassay	3432-2

SPECIMEN REQUIREMENTS				
Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	1 mL (0.5)	Plasma	Lithium Heparin PST (Light Green Top)	Refrigerated
Alternate 1	1 mL (0.5)	Serum	Clot Activator SST	Refrigerated
Instructions	Draw before next dose. Stability: Ambient 2 days, Refrigerated 7 days, Frozen 1 month			

GENERAL INFORMATION	
Testing Schedule	Daily
Expected TAT	1-2 days
Clinical Use	Useful for monitoring patients with Tegretol toxicity.
Notes	Carbamazepine and its metabolite (10,11- Carbamazepine epoxide) are widely used for control of generalized tonic-clonic, partial-onset, complex and mixed seizure disorders. The metabolism of carbamazepine in epileptic patients has several different pathways that can be altered when the patient is co-medicated with other anticonvulsants and, therefore, it's therapeutic level should be monitored along with its metabolite in their free and protein bound states.
CPT Code(s)	80156
Lab Section	Chemistry