

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 (mL) | 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 |