

## Voltage-Gated Calcium Channel (VGCC) Antibody Assay

Order Name: **CALCHANIGG**  
 Test Number: 5502375  
 Revision Date: 12/12/2022

TEST NAME	METHODOLOGY	LOINC CODE
Voltage-Gated Calcium Channel (VGCC) Antibody Assay	Quantitative Radioimmunoassay	31024-3

### SPECIMEN REQUIREMENTS

Specimen	Specimen Volume (min)	Specimen Type	Specimen Container	Transport Environment
Preferred	1 mL (0.4)	Serum	Clot Activator SST	Refrigerated
Alternate 1	1 mL (0.4)	Serum	Clot Activator (Red Top, No-Gel)	Refrigerated
Instructions	<p><b>Notes:</b> 0.4 mL (Note: This volume Does NOT allow for repeat testing.)  <b>Specimen Type:</b> Red-top tube or gel-barrier tube  <b>Specimen Storage:</b> Room temperature  <b>Specimen Collection:</b> Serum should be separated from cells within one hour and transferred to a plastic transport tube.  <b>Specimen Stability:</b> Ambient: 14 days, Refrigerated : 14 days, Frozen: 14 days</p>			

### GENERAL INFORMATION

Expected TAT	3 - 8 days
Clinical Use	Voltage-gated calcium channel (VGCC) autoantibodies are characteristic of Lambert-Eaton Myasthenic Syndrome (LEMS) with or without small-cell lung cancer. VGCC autoantibodies are also found, albeit less frequently and generally in low amounts, in paraneoplastic disease associated with lung, ovarian or breast carcinomas; in carcinomas (without LEMS or other paraneoplastic syndrome) and occasionally in neurological diseases such as amyotrophic lateral sclerosis (frequency of ~23%).
Performing Labcorp Test Code	140640
Notes	Labcorp Test Code: 140640
CPT Code(s)	86596
Lab Section	Reference Lab