

Reporting Title: Carbamazepine Profile, S
Performing Location: Rochester

Specimen Requirements:

Container/Tube: Red top

Specimen Volume: 2 mL

Submission Container/Tube: Plastic vial

Collection Instructions:

1. Draw blood 12 hours (trough value) after last dose.
2. Centrifuge and aliquot serum into a plastic vial within 2 hours of collection.

Specimen Minimum Volume:

1 mL

Forms:

If not ordering electronically, complete, print, and send a Therapeutics Test Request (T831) with the specimen.

Specimen Type	Temperature	Time	Special Container
Serum Red	Refrigerated (preferred)	7 days	
	Frozen	28 days	
	Ambient	48 hours	

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
CARTA	Carbamazepine, Tot, S Also used by tests: CARTA	Numeric	mcg/mL	3432-2
7467	Carb-10,11-Epoxyde, S	Numeric	mcg/mL	9415-1
CARF	Carbamazepine, Free, S Also used by tests: CARF	Numeric	mcg/mL	3433-0

LOINC and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

Components:

Test ID	Reporting Name	CPT Units	CPT Code	Always Performed	Orderable Separately
CARTA	Carbamazepine, Tot, S			Yes	Yes
1011E	Carb-10,11-Epoxyde, S			Yes	No
CARF	Carbamazepine, Free, S			Yes	Yes

CPT Code Information:

80156-Carbamazepine, total
80157-Carbamazepine, free
80161-Carbamazepine-10,11-Epoxyde

Reference Values:

CARBAMAZEPINE, TOTAL
Therapeutic: 4.0-12.0 mcg/mL
Critical value: > or =15.0 mcg/mL

CARBAMAZEPINE-10,11-EPOXYDE
Therapeutic: 0.4-4.0 mcg/mL
Toxic concentration: > or =8.0 mcg/mL

CARBAMAZEPINE, FREE
Therapeutic: 1.0-3.0 mcg/mL
Critical value: > or =4.0 mcg/mL