

Client: Example Client ABC123 123 Test Drive Salt Lake City, UT 84108 UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB	9/10/1979
Gender:	Female
Patient Identifiers:	01234567890ABCD, 012345
Visit Number (FIN):	01234567890ABCD
Collection Date:	00/00/0000 00:00

Carbamazepine, Free and Total, Serum or Plasma

ARUP test code 2011763

Total Carbamazepine	26.6 ug/mL H	(Ref Interval: 4.0-12.0)			
	adequate dosing. Free dosing has been estab hepatic, protein disea	Total drug analysis is used as first line testing to determine adequate dosing. Free drug analysis is used after adequate dosing has been established for the at risk patient (renal, hepatic, protein diseases etc.) to determine the degree of protein binding problems to more specifically adjust dosage.			
Free Carbamazepine	9.6 ug/mL H	(Ref Interval: 1.0-3.0)			
Percent Free Carbamazepine	The therapeutic range at steady-state concer important to monitor i protein binding capaci drug-drug interactions and extensive metaboli account for difference methods. Calculating p differences in assay o optimization. A rare adverse drug re Stevens-Johnson syndro of Asian ancestry with increased risk for thi reaction. Pharmacogene for patients at risk f treatment. This inform FDA-approved label for (https://www.accessdat guideline from the Cli Consortium (https://w 2012049, HLA-B*15:02 (0)	INTERPRETIVE INFORMATION: Carbamazepine, Free and Total, serum or Plasma The therapeutic range is based on serum pre-dose (trough) draw at steady-state concentration. Free carbamazepine may be important to monitor in patients with altered or unpredictable protein binding capacity. Carbamazepine is also subject to drug-drug interactions due to displacement of protein binding and extensive metabolism. Cross-reactivity with metabolites may account for differences in carbamazepine among analytical methods. Calculating percent free attempts to minimize differences in assay cross-reactivity and may be useful in dose			
	with HLA-B*15:02 pharm patients who are at ir	combination of therapeutic drug monitoring macogenetics genotyping may benefit ncreased risk for developing adverse events due to rare genotypes other ant allele.			

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:



VERIFIED/REPORTED DATES						
Procedure	Accession	Collected	Received	Verified/Reported		
Total Carbamazepine	22-080-102276	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Free Carbamazepine	22-080-102276	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		
Percent Free Carbamazepine	22-080-102276	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00		

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruptab.com 500 Chipeta Way, Satt Lake City, UT 84108-1221 Jonathan R. Genzen, MD, PhD, Laboratory Director Patient: Patient, Example ARUP Accession: 22-080-102276 Patient Identifiers: 01234567890ABCD, 012345 Visit Number (FIN): 01234567890ABCD Page 2 of 2 | Printed: 5/27/2022 3:07:30 PM 4848