

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

Physician: Doctor, Example

Patient: Patient, Example

DOB: 9/22/1950
Gender: Male
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 01/01/2017 12:34

Valproic Acid, Free and Total

ARUP test code 0099310

Valproic Acid, Free	79 ug/mL	H	(Ref Interval: 7-23)
Valproic Acid, Total	177 ug/mL	H	(Ref Interval: 50-125)
Valproic Acid, Percent Free	45 %	H	(Ref Interval: 5-18)

The result is physiologically unusual. The free valproic acid concentration is typically about 5 - 18 percent of the total valproic acid concentration.

INTERPRETIVE INFORMATION: VPA-percent Free

Valproic Acid, Total
Therapeutic Range: 50-125 ug/mL
Toxic: Greater than 150 ug/mL

Valproic Acid, Free
Therapeutic Range: 7-23 ug/mL
Toxic: Greater than 30 ug/mL

VPA-percent Free
Therapeutic Range: 5-18 percent

Free valproic acid may be important to monitor in patients with altered or unpredictable protein binding capacity because valproic acid exhibits variable, dose-dependent protein binding. Valproic acid is also subject to drug-drug interactions due to displacement of protein binding. Calculating percent free attempts to minimize differences in test cross-reactivity and may be useful in dose optimization. Adverse effects may include headache, somnolence and dizziness.

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

Unless otherwise indicated, testing performed at:

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Valproic Acid, Free	20-126-132968	5/5/2020 9:20:00 AM	5/7/2020 11:21:24 AM	5/7/2020 10:09:00 PM
Valproic Acid, Total	20-126-132968	5/5/2020 9:20:00 AM	5/7/2020 11:21:24 AM	5/7/2020 10:09:00 PM
Valproic Acid, Percent Free	20-126-132968	5/5/2020 9:20:00 AM	5/7/2020 11:21:24 AM	5/7/2020 10:09:00 PM

END OF CHART

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

Unless otherwise indicated, testing performed at:

ARUP LABORATORIES | 800-522-2787 | aruplab.com
500 Chipeta Way, Salt Lake City, UT 84108-1221
Tracy I. George, MD, Laboratory Director

Patient: Patient, Example
ARUP Accession: 20-126-132968
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
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