

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

Physician: Doctor, Example

**Patient: Patient, Example**

**DOB:** 7/29/1960  
**Gender:** Female  
**Patient Identifiers:** 01234567890ABCD, 012345  
**Visit Number (FIN):** 01234567890ABCD  
**Collection Date:** 00/00/0000 00:00

**Valproic Acid, Free and Total**

ARUP test code 0099310

Valproic Acid, Free	32 ug/mL	H	(Ref Interval: 7-23)
Valproic Acid, Total	46 ug/mL	L	(Ref Interval: 50-125)
Valproic Acid, Percent Free	70 %	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	22-145-140332	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Valproic Acid, Total	22-145-140332	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Valproic Acid, Percent Free	22-145-140332	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 | aruplab.com  
500 Chipeta Way, Salt Lake City, UT 84108-1221  
Jonathan R. Genzen, MD, PhD, Laboratory Director

Patient: Patient, Example  
ARUP Accession: 22-145-140332  
Patient Identifiers: 01234567890ABCD, 012345  
Visit Number (FIN): 01234567890ABCD  
Page 2 of 2 | Printed: 5/27/2022 2:32:33 PM  
4848