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## Valproic Acid, Free – New Test at VCUH Clinical Chemistry

**Orderable: Valproic Acid, Free [Lab25]**

**Effective May 13, 2026, the “Valproic Acid, Free” test will be performed in-house by the VCUH Clinical Chemistry Laboratory.**

Valproic Acid, Free testing was previously sent to LabCorp. Starting May 13, 2026, the test will be performed in-house by the VCUH Clinical Chemistry Laboratory.

Results for the new in-house test will be available within 4 hours of sample receipt by the laboratory.

Acceptable tube types include gold top SST, plain red and light green tubes.

### **Reference Interval and Critical Value for the new in-house test:**

**Therapeutic Range: 7.0-23.0 mg/L**

**Critical Value: > 30 mg/L**

#### References:

1. Drisaldi, A., Weeda, E., Neyens, R. *et al.* Accuracy of Valproic Acid Concentration Correction Based on Serum Albumin. *Neurocrit Care* **30**, 301–306 (2019).
2. Lin, K., Cao, V.F.S., Au, C. *et al.* Clinical Pharmacokinetic Monitoring of Free Valproic Acid Levels: A Systematic Review. *Clin Pharmacokinet* **61**, 1345–1363 (2022).

**For questions, please contact Pathology Client Services at 804-828-7284 (8-PATH).**