



MEMORANDUM

TO: All OSF HealthCare System Laboratory Ordering Providers

FROM: Sean Fitzgerald, MD; Medical Director, OSF HealthCare System Laboratory

DATE: February 3, 2020

RE: **Topiramate and Lamotrigine Levels**

On February 1, 2020, the OSF HealthCare System Laboratory began offering a quantitative determination of serum Topiramate (aka Topamax) and Lamotrigine (aka, Lamictal) levels on the Indiko Plus chemistry analyzer (ThermoFischer Scientific). Currently, when these levels are required for our patients, serum is sent out to Mayo Clinic Laboratories.

Specifics for the new tests, can be found online at:
<https://osflabmanual.osfhealthcare.org/osflm/SearchPublic.aspx>.

Performing this assay in the OSF System Lab has the added benefit of simplifying and streamlining ordering for providers.

Test ordering:

Serum is the acceptable specimen type for Topiramate **LAB7004** and Lamotrigine **LAB7003**.

Specimen type(s):

- Serum
- Preferred collection container
- 6 mL red-top (plain, non-serum separator) tube
- Specimen required: 0.5 mL serum
- Patient preparation: Draw 30 to 60 minutes prior to next dose.

References:

1. OSF System Lab Test Catalog:
<https://osflabmanual.osfhealthcare.org/osflm/SearchPublic.aspx>

Any questions or concerns may be addressed to:

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