

**To All Medical
Laboratory Users:**

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MEDICAL LABORATORIES

**Laboratory Medicine Update
September 2020**

Factor V Assay vs Factor V Leiden

Test Name	Test Code	Tube type	Indications for ordering	Lab
Factor V Assay	LAB6227	Light blue (Sodium Citrate)	Liver disease, consumption, discriminate a Vitamin K deficiency	Core Coagulation
Factor V Leiden, PCR	LAB346	Lavender (EDTA)	Detects gene mutation that results in thrombophilia, blood clotting.	Molecular

The Factor V Assay is frequently ordered incorrectly. EPIC ordering of this test will be updated to remind the provider of the differences between the two tests. One of the choices must be selected.

! This test is for a Factor V (labile factor) level. If a clotting disorder is suspected, order Factor V Leiden PCR (LAB 346).

Continue with order FACTOR V [LAB304]

Will cancel and order FACTOR V LEIDEN PCR [LAB346]

Roche Inform II Glucose Meter NAC Interference

- **IF YOU HAVE AN ARTICLE(S) YOU WOULD LIKE TO SHARE CONTACT:**

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Following the CLSI EP07-A3 Guidelines in a recent internal bench study, Roche identified a new interfering substance that affects the glucose values in the Roche Inform II Glucose meter. The substance is N-acetylcysteine (NAC). Intravenous administration of NAC is commonly provided for treating acetaminophen overdose. Intravenous administration of N-acetylcysteine which results in blood concentrations > 5mg/dL will cause overestimation of blood glucose results. Do not use the Roche Inform II glucose meter for assessing glucose values during intravenous infusion of N-acetylcysteine.

Fragile X Testing (LAB738)

Testing for Fragile X (FMR1 gene) has moved from the Molecular Diagnostic Laboratory to the Genomics Laboratory as of 8/24/2020. The sample requirement and assay methodology are unchanged. Testing is performed once a week.

Urine Fentanyl and Metabolite Drug Confirmation (LAB6241)

The Toxicology Laboratory is now performing urine Fentanyl / Norfentanyl quantitative confirmation testing in-house as of 6/30/2020. The reference interval for Fentanyl is <2ng/mL and the reference interval for Norfentanyl is <5ng/mL. Results above the stated reference intervals will be reported as positive. Testing is performed twice a week.

Urine Buprenorphine and Metabolite Drug Confirmation (LAB6242)

The Toxicology Laboratory is now performing urine Buprenorphine / Norbuprenorphine quantitative confirmation testing in-house as of 6/30/2020. The reference interval for both Buprenorphine and Norbuprenorphine is <5ng/mL. Results above the stated reference intervals will be reported as positive. Testing is performed twice a week.

Allergen Testing for Peanut Components (LAB4105)

The current panel for Peanut Component IgE testing has been expanded to include ARAH6 as of 9/2/2020. This component, along with ARAH2, is important in determining the likelihood of a severe reaction. Testing is performed every day Monday through Friday.

PKU Amino Acid Screen (LAB6297)

The Toxicology Laboratory now offers a focused panel for the monitoring of patients with PKU as of 9/17/2020. This new test includes phenylalanine and tyrosine quantitation.