

**To:** Members of UPHS Clinical Staff

**From:** Leslie M Shaw, PhD, Michael C Milone, MD, PhD, JoAnn Gardiner, MS, Toxicology Laboratory  
Ping Wang, PhD, Daniel Herman, MD, PhD, Beth Lussier, MS, MT(ASCP), Automated Laboratory  
Michael Husson, MD, Jaclene Cline, MBA, MLS, Pennsylvania Hospital Clinical Laboratory  
Franz Fogt, MD, Michael Atweh, MS, MBA, MHA, Penn Presbyterian Medical Center Clinical Laboratory

**Date:** November 25, 2019

**Re:** New fentanyl testing immunoassay

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**New Fentanyl Immunoassay effective December 4, 2019**

The Wm Pepper Laboratory at the Hospital of the University of Pennsylvania will introduce a new screening test for fentanyl in urine December 4, 2019. This new Fentanyl automated immunoassay test procedure uses reagents manufactured by ARK Diagnostics Inc and has been validated to detect the parent drug Fentanyl at a cutoff concentration of 1 ng/mL. The Fentanyl immunoassay test is included in the "DA10" drug testing panel (EPIC Test: C7007060). This assay also cross reacts with nor-fentanyl the primary metabolite and several other fentanyl analogs. When the immunoassay test is positive for Fentanyl, results will be reflexively confirmed by our validated liquid chromatography-tandem mass spectrometry (LC-MSMS) methodology that detects and quantitates Fentanyl and its primary metabolite nor-fentanyl. In addition, when an order is placed as part of monitoring for the employee assistance program testing purposes the updated **MRPDA** drug testing procedure now will include Fentanyl testing as well.

This validation study has been conducted in collaboration with the Automated Laboratory. The same automated immunoassay has been set up in the laboratory at Pennsylvania Hospital and service started there on November 25, 2019. The laboratory at Presbyterian Medical Center is in the process of also establishing this Fentanyl immunoassay and expects to implement it there within the next two weeks.

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**EPIC Ordering information:**

**TEST CODE is DA10. NOTE: AT HUP THE LEVEL 1 DRUG SCREEN AND DA9 ARE NOW THE SAME AS DA10, ONLY THE DA10 IS ORDERABLE.**

Please feel free to contact us regarding the new Fentanyl testing procedure.

**Contact information:**

Clinical Chemistry resident: 215-980-9770  
Clinical Chemistry fellow: 215-662-6510

Leslie M Shaw  
Email: shawlmj@pennmedicine.upenn.edu  
Cell phone: 267-251-8901

Michael C Milone  
Email: milone@pennmedicine.upenn.edu  
Cell phone: 215-900-4954

JoAnn Gardiner  
Email: Joann.Gardiner@pennmedicine.upenn.edu  
Cell phone: 215-684-9457

CC: Deborah Mincarelli