

To: Members of UPHS Clinical Staff

From: Leslie M Shaw, PhD, Michael C Milone, MD, PhD, JoAnn Gardiner, BS, MS

Date: March 27, 2019

Re: Updated Opioid Confirmatory Test procedure

New Opioid Confirmation Test Procedure effective March 27, 2019.

The Toxicology laboratory has validated and implemented an updated and expanded Opioid Confirmation test procedure using liquid chromatography-tandem mass spectrometry (LC-MSMS) that will detect the presence of 18 opioids (see table below). This testing procedure replaces and expands upon the current 11 opioid LC-MSMS testing procedure with added sensitivity. This confirmation testing will be reflex tested when automated EMIT immunoassay testing results are positive for opiates (eg in the DA10 test immunoassay-based procedure).

The modified result reports will include concentration values and the cutoff concentration values for each of the 18 opioid analytes. For many of the analytes standardized interpretative comments will also be included.

The automated EMIT immunoassay screen test for opioids **does not detect**: fentanyl, buprenorphine, tramadol or their metabolites. Thus, in those instances wherein one or more of these opioids needs to be tested for, the test ordered should be U OPIATE CONFIRMATION.

If the opioids test only is needed (no immunoassay ordered) the EPIC Ordering information is:

TEST NAME is U OPIATE CONFIRMATION; TEST CODE is C7007915

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

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The Table below includes the tests for 18 Opioids & metabolites included in the new Opiate Confirmation test procedure.

OPIOIDS	
Buprenorphine	Hydromorphone
nor-Buprenorphine	Naloxone
Codeine	Naltrexone
Dihydrocodeine	Oxycodone
Fentanyl	Oxymorphone
nor-Fentanyl	Tapentadol
Hydrocodone	N-desmethyltapentadol
Morphine	<i>cis</i> -tramadol
6-Monoacetyl Morphine (6-MAM)	N-desmethyltramadol