**SBAR: Opioid confirmation mass spectrometry testing being sent out to Mayo Clinic Laboratories**

**Situation:** Due to a supply chain shortage, we are no longer able to perform our opioid mass spectrometry confirmation assay in-house.

**Background:** The supply chain shortage was recently announced, and is expected to last until February 2022. Until we can re-establish a reliable inventory supply, we cannot perform this test in-house.

**Assessment:**  Laboratory and Supply Chain are working closely to manage the supply shortage. As soon as the necessary supplies are back in stock, testing will be brought back in-house.

**Recommendation:**  Effective immediately, opioid confirmations will be sent to Mayo Clinic Laboratories for their Targeted Opioid mass spectrometry-based panel. Results will be reported as “Present” or “Not Detected.”

* Any samples that are currently pending will be sent to Mayo Clinic Laboratories automatically – you will not need to modify your order.
* Future drug screen and confirmation orders will be placed using the same eD-H order codes as would normally be used, and samples will automatically be re-routed to Mayo Clinic Laboratories.
* Delays in resulting are expected over the next couple of weeks while we establish a new work flow.
* The turnaround time for results is expected to be up to one week

Included in the Mayo Clinic Laboratories panel: cutoff concentration

Codeine: 25 ng/mL

Codeine-6-beta-glucuronide: 100 ng/mL

Morphine: 25 ng/mL

Morphine-6-beta-glucuronide: 100 ng/mL

6-monoacetylmorphine: 25 ng/mL

Hydrocodone: 25 ng/mL

Norhydrocodone: 25 ng/mL

Dihydrocodeine: 25 ng/mL

Hydromorphone: 25 ng/mL

Hydromorphone-3-beta-glucuronide: 100 ng/mL

Oxycodone: 25 ng/mL

Noroxycodone: 25 ng/mL

Oxymorphone: 25 ng/mL

Oxymorphone-3-beta-glucuronide: 100 ng/mL

Noroxymorphone: 25 ng/mL

Fentanyl: 2 ng/mL

Norfentanyl: 2 ng/mL

Meperidine: 25 ng/mL

Normeperidine: 25 ng/mL

Naloxone: 25 ng/mL

Naloxone-3-beta-glucuronide: 100 ng/mL

Methadone: 25 ng/mL

EDDP: 25 ng/mL

Propoxyphene: 25 ng/mL

Norpropoxyphene: 25 ng/mL

Tramadol: 25 ng/mL

O-desmethyltramadol: 25 ng/mL

Tapentadol: 25 ng/mL

N-desmethyltapentadol: 50 ng/mL

Tapentadol-beta-glucuronide: 100 ng/mL

Buprenorphine: 5 ng/mL

Norbuprenorphine: 5 ng/mL

Norbuprenorphine glucuronide: 20 ng/mL

For interpretation assistance, please submit an eConsult to Pathology and Laboratory Medicine. Should you have any additional questions, please contact the on-call Clinical Chemistry Medical Director by paging 8139 or contact Jacqueline Hubbard, PhD, DABCC at [Jacqueline.A.Hubbard@hitchcock.org](mailto:Jacqueline.A.Hubbard@hitchcock.org).