MICHIGAN MEDICINE
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Test Update 907

Posted Date 05/07/2025
Effective Date 05/27/2025
Test Name Fentanyl, Serum
Update Type Reference range changed
CPT Code 80354

Order Code: FENTS

Fee Code: 21581 (CPT 80354)

Reference Laboratory: Mayo FENTS

The following clarifying language and cut off values will be added to the reference range for Mayo Clinic Laboratories Fentanyl, Serum assay effective May 27, 2025:

Reference Range:

Fentanyl:

Average serum fentanyl concentrations 24 hours after application of transdermal patch:

25 mcg/hour: 0.3-1.2 ng/mL

50 mcg/hour: 0.6-1.8 ng/mL

75 mcg/hour: 1.1-2.6 ng/mL

100 mcg/hour: 1.9-3.8 ng/mL

(Baselt RC. Disposition of Toxic Drugs and Chemical in Man. 12th ed. Biomedical Publications; 2020)

Norfentanyl:

Reference range: Not established

Cutoff concentrations by liquid chromatography tandem mass spectrometry:

Fentanyl: 0.05 ng/mL

Norfentanyl: 0.25 ng/mL

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