

Oxymorphone Confirmation, U

Overview

Useful For

Detection and quantification of oxymorphone and noroxymorphone in urine

Method Name

Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS)

NY State Available

Yes

Specimen

Specimen Type

Urine

Specimen Required

Collection Container/Tube: Plastic urine container

Submission Container/Tube: Plastic, 60-mL urine bottle

Specimen Volume: 20 mL

Collection Instructions:

- 1. Collect a random urine specimen.
- 2. Submit 20 mL in 1 plastic bottle.
- 3. No preservative.

Additional Information:

- 1. No specimen substitutions.
- 2. No STATS are accepted for this procedure.
- 3. For situations where chain of custody is required, a Chain-of-Custody Kit (T282) is available. For chain-of-custody testing, order OXYCX / Oxycodone with Metabolite Confirmation, Chain of Custody, Urine
- 4. Additional drug panels and specific requests are available. Call 800-533-1710 or 507-266-5700.
- 5. If urine creatinine is required or adulteration of the sample is suspected, the following test should be requested, ADULT / Adulterants Survey, Urine. For additional information, please refer to ADULT / Adulterants Survey, Urine.

Forms

If not ordering electronically, complete, print, and send a Therapeutics Test Request (T831) with the specimen.

Specimen Minimum Volume



Oxymorphone Confirmation, U

2.5 mL

Reject Due To

Gross hemolysis	ОК
Gross icterus	OK

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Urine	Refrigerated (preferred)	28 days	
	Frozen	28 days	
	Ambient	14 days	

Clinical and Interpretive

Clinical Information

Oxymorphone is metabolized in the liver to noroxymorphone and excreted via the kidney primarily as the glucuronide conjugates. Oxymorphone is also a metabolite of oxycodone and, therefore, the presence of oxymorphone could also indicate exposure to oxycodone.

The detection interval for opiates is generally 2 to 3 days after last ingestion.

Reference Values

Negative

Cutoff concentrations:

Oxymorphone-by LC-MS/MS: 25 ng/mL

Noroxymorphone-by LC-MS/MS: 25 ng/mL

Interpretation

This procedure reports the total urine concentration; this is the sum of the unconjugated and conjugated forms of the parent drug.

Cautions

Other drugs in the opioid class, such as fentanyl, meperidine, methadone, and opiate antagonists such as naloxone, are not detected.

Clinical Reference

- 1. Gutstein HB, Akil H: Opioid Analgesics. In The Pharmacological Basis of Therapeutics. 11th edition. Edited by LL Brunton, JS Lazo, KL Parker. Goodman and Gilman's: McGraw-Hill Companies, Inc. 2006:http://www.accessmedicine.com/content.aspx?aID=940653
- 2. Baselt, RC: Dispositition of Toxic Drugs and Chemical in Man. Ninth edition. RC Baselt. Foster City, CA: Biomedical Publications, 2011



Oxymorphone Confirmation, U

3. <u>Hackett LP, Dusci LJ, llett KF, Chiswell GM</u>: Optimizing the hydrolysis of codeine and morphine glucuronides in urine. Ther Drug Monit 2002;24(5):652-657

Performance

Method Description

Confirmation with quantification by liquid chromatography/mass spectrometry (LC-MS/MS).(Unpublished Mayo method)

PDF Report

No

Day(s) and Time(s) Test Performed

Monday through Sunday

Analytic Time

2 days

Maximum Laboratory Time

5 days

Specimen Retention Time

14 days

Performing Laboratory Location

Rochester

Fees and Codes

Fees

- Authorized users can sign in to <u>Test Prices</u> for detailed fee information.
- Clients without access to Test Prices can contact <u>Customer Service</u> 24 hours a day, seven days a week.
- Prospective clients should contact their Regional Manager. For assistance, contact <u>Customer Service</u>.

Test Classification

This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

CPT Code Information

80365

G0480 (if appropriate)

LOINC® Information

Test ID	Test Order Name	Order LOINC Value
OXYMU	Oxymorphone Confirmation, U	94305-0



Oxymorphone Confirmation, U

Result ID	Test Result Name	Result LOINC Value
62622	Oxymorphone-by LC-MS/MS	17395-5
42014	Noroxymorphone-by LC-MS/MS	90894-7
36024	Oxymorphone Interpretation	18325-1