

Oxymorphone Confirmation, Random, Urine

#### Overview

#### **Useful For**

Detection and quantification of oxymorphone and noroxymorphone in urine

## **Special Instructions**

• Clinical Toxicology CPT Code Client Guidance

#### **Method Name**

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

#### **NY State Available**

Yes

## **Specimen**

## **Specimen Type**

Urine

# **Ordering Guidance**

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, Random, Urine.

Additional drug panels and specific requests are available; call 800-533-1710 or 507-266-5700.

#### **Additional Testing Requirements**

If urine creatinine is required or adulteration of the specimen is suspected, the following test should also be ordered ADULT / Adulterants Survey, Random, Urine.

#### **Specimen Required**

Supplies: Sarstedt Aliquot Tube 5 mL (T914)

**Collection Container/Tube:** Plastic urine container **Submission Container/Tube:** Plastic, 5-mL tube

**Specimen Volume:** 3 mL **Collection Instructions:** 

- 1. Collect a random urine specimen.
- 2. No preservative.

#### **Additional Information:**

- 1. No specimen substitutions.
- 2. STAT requests are **not accepted** for this test.
- 3. Submitting less than 1 mL will compromise our ability to perform all necessary testing.



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#### **Forms**

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

# Specimen Minimum Volume

2.5 mL

#### Reject Due To

Gross	OK
hemolysis	
Gross icterus	OK

#### Specimen Stability Information

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

# Clinical & 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 by liquid chromatography tandem mass spectrometry:

Oxymorphone: 25 ng/mL Noroxymorphone: 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



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- 1. Jutkiewicz EM, Traynor JR. Opioid analgesics. In: Brunton LL, Knollmann BC, eds. Goodman and Gilman's: The Pharmacological Basis of Therapeutics. 14th ed. McGraw-Hill Companies, Inc; 2023:chap 23
- 2. Baselt, RC. Disposition of Toxic Drugs and Chemical in Man. 10th ed. Biomedical Publications; 2014
- 3. Hackett LP, Dusci LJ, Ilett KF, Chiswell GM. Optimizing the hydrolysis of codeine and morphine glucuronides in urine. Ther Drug Monit. 2002;24(5):652-657
- 4. Langman LJ, Bechtel LK, Holstege CP. Clinical toxicology. In: Rifai N, Chiu RWK, Young I, Burnham CAD, Wittwer CT, eds. Tietz Textbook of Laboratory Medicine. 7th ed. Elsevier; 2023:chap 43

#### **Performance**

#### **Method Description**

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

#### PDF Report

No

## Day(s) Performed

Monday through Friday

#### Report Available

2 to 5 days

#### **Specimen Retention Time**

14 days

#### **Performing Laboratory Location**

Mayo Clinic Laboratories - Rochester Superior Drive

#### **Fees & 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 account representative. 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. It has not been cleared or approved by the US Food and Drug Administration.

#### **CPT Code Information**

G0480

80365 (if appropriate for select payers)

Clinical Toxicology CPT Code Client Guidance



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# **LOINC®** Information

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

Result ID	Test Result Name	Result LOINC® Value
62622	Oxymorphone-by LC-MS/MS	17395-5
36024	Oxymorphone Interpretation	69050-3
42014	Noroxymorphone-by LC-MS/MS	90894-7