MAYO CLINIC LABORATORIES

Test Definition: FOPIA

Opiates, Serum or Plasma, Quantitative

Overview

Method Name
Quantitative Liquid Chromatography-Tandem Mass Spectrometry

NY State Available
Yes

Specimen

Specimen Type
Varies

Specimen Required
Submit only one of the following specimens:

Plasma
Specimen Type: Plasma
Container/Tube: Gray top (potassium oxalate/sodium fluoride), Green top (sodium heparin), Lavender top (EDTA), or pink top (K2EDTA)
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions: Draw blood in a gray top (potassium oxalate/sodium fluoride), green (sodium heparin), lavender (EDTA) or pink (K2EDTA) tube(s). Spin down and send 1 mL of plasma refrigerated in a plastic vial.

Note: Label specimen appropriately (plasma).

Serum
Specimen Type: Serum
Collection Container/Tube: Red top
Submission Container/Tube: Plastic vial
Specimen Volume: 1 mL
Collection Instructions: Draw blood in a plain, red-top tube(s). Spin down and send 1 mL of serum refrigerated in a plastic vial.

Note: Label specimen appropriately (serum).

Specimen Minimum Volume
0.5 mL

Reject Due To

Hemolysis	Mild Reject; Gross Reject
Lipemia	Mild OK; Gross OK
Other	Separator tubes, Plasma or Whole blood collected in light blue (sodium citrate), specimens exposed to repeat freeze/thaw cycles.

Specimen Stability Information

Specimen Type	Temperature	Time	Special Container
Varies	Ambient	7 days	
	Refrigerated (preferred)	14 days	
	Frozen		

Clinical & Interpretive

Reference Values

Drugs covered: codeine, morphine, 6-acetylmorphine, hydrocodone, hydromorphone, oxycodone, and oxymorphone. All drugs covered and the non-glucuronidated (free) form.

Positive cutoff: 2 ng/mL

For medical purposes only; not valid for forensic use.

Interpretation

Identification of specific drug(s) taken by specimen donor is problematic due to common metabolites, some of which are prescription drugs themselves. The absence of expected drug(s) and/or drug metabolite(s) may indicate non-compliance, inappropriate timing of specimen collection relative to drug administration, poor drug absorption, or limitations of testing. All drugs covered are the nonglucuronidated (free) form. The concentration value must be greater than or equal to the cutoff to be reported as positive. A very small amount of an unexpected drug analyte in the presence of a large amount of an expected drug analyte may reflect pharmaceutical impurity. Interpretive questions should be directed to the laboratory.

Performance

PDF Report

No

Day(s) Performed

Monday, Wednesday and Friday

Report Available

3-11 days

Performing Laboratory Location

ARUP Laboratories

Fees & Codes

Fees

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

Test Classification

This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA certified laboratory and is intended for clinical purposes.

CPT Code Information

80361, 80365

LOINC® Information

Test ID	Test Order Name	Order LOINC® Value
FOPIA	Opiates, Serum or Plasma, Quant.	8217-2

Result ID	Test Result Name	Result LOINC® Value
Z4427	6-acetylmorphine, S/P, Quant	12788-6
Z4428	Codeine, S/P, Quant	3506-3
Z4429	Morphine, S/P, Quant	3827-3
Z4430	Hydrocodone, S/P, Quant	3680-6
Z4431	Hydromorphone, S/P, Quant	3683-0
Z4432	Oxycodone, S/P, Quant	3893-5
Z4433	Oxymorphone, S/P, Quant	60467-8