

Cocaine Analysis - Whole Blood

Test ID: FCOKE

Explanation:

Effective September 29, 2026, test ID FCOKE, referred to Medtox Laboratories, will be obsolete due to availability of Mayo test COKEP.

Recommended Alternative Test:

Cocaine and Metabolites, Plasma

Test ID: COKEP

Useful For:

Confirming drug exposure involving stimulants such as cocaine, benzoylecgonine, m-hydroxybenzoylecgonine, and cocaethylene.

Methodology:

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

Reference Values:

Negative

Positive results are reported with a quantitative result.

Cutoff concentrations:

Cocaine: 1.0 ng/mL

Benzoylecgonine: 1.0 ng/mL

Cocaethylene: 1.0 ng/mL

m-Hydroxybenzoylecgonine: 1.0 ng/mL

Specimen Requirements:

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Collection Container/Tube: Gray top (sodium fluoride/potassium oxalate plasma) (PST are **not acceptable**)

Submission Container/Tube: Plastic vial

Specimen Volume: 1 mL Plasma

Collection Instructions:

1. Within 2 hours of collection, centrifuge at 4 degrees C and aliquot plasma into a plastic vial.
2. Freeze the specimen.

Minimum Volume: 0.5 mL Plasma

Specimen Stability Information:

Specimen Type	Temperature	Time
Plasma	Frozen (preferred)	28 days
	Refrigerated	6 days

Cautions:

Specimens collected in serum gel tubes are not acceptable because the drug can absorb onto the gel and lead to falsely decreased concentrations.

CPT Code:

G0480

80353 (if appropriate for select payers)

[Clinical Toxicology CPT Code Client Guidance](#)

Day(s) Setup: Thursday

Report Available: 3 to 9 days

Questions

Contact MCS Referrals Supervisors Amy Bluhm or Heather Hilgart at 800-533-1710.