
Lab Dept: Chemistry

Test Name: COMPREHENSIVE DRUG SCREEN, BLOOD

General Information

Lab Order Codes: SDRGS

Synonyms: Compliance Drug Screen, Blood; Comprehensive Drug Screen with Confirmation, Blood, MedTox; Compliance Drug Screen, with Medication Report, Whole Blood; Toxicology Screen, Blood

CPT Codes: 80307 – Drug test, presumptive, by instrument chemistry analyzers, includes sample validation when performed, per date of service
OR
G0479 – Drug, test, presumptive (if appropriate)

Test Includes: Acetaminophen; Alcohol, Ethyl; Amphetamines; Barbiturates; Benzodiazepines; Buprenorphine; Carisoprodol; Cocaine Metabolite; Fentanyl; Gabapentin; Meperidine; Methadone; Opiates; Oxycodones; Phencyclidine (PCP); Propoxyphene; THC (Marijuana) Metabolite; Tramadol; Other drugs

Logistics

Test Indications: Detect use of abused, prescribed, and over-the-counter drugs.

Lab Testing Sections: Chemistry - Sendouts

Referred to: MedTox Laboratories (MedTox Test: [700898](#))

Phone Numbers: Mpls Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 10 days, additional time should be allowed for confirmatory results

Special Instructions: Preliminary results are reported as reference lab reports them. Final, confirmatory results will follow.

Specimen

Specimen Type: Blood

Container: Lavender (EDTA) tube
Alternate: Green NO GEL, Gray-top (NaF/oxalate) tube

Draw Volume:	7 mL (Minimum: 3 mL) blood Note: Collecting the minimum volume may not allow for repeat analysis.
Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: DO NOT centrifuge , specimen should remain as whole blood. Ship and store specimen at refrigerated temperatures. Forward promptly. Specimen stable for 3 days ambient, longer refrigerated or frozen (timeline not specified by reference lab).
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens, specimens collected with incorrect tube type, specimens not received as whole blood.

Interpretive

Reference Range:	Negative
Critical Values:	As defined by reference lab
Limitations:	N/A
Methodology:	Immunoassay (IA); Gas Chromatography/Flame Ionization Detection (GC-FID); Gas Chromatography/Mass Spectrometry (GC/MS), Liquid chromatography/tandem mass spectrometry (LC/MS-MS)
References:	MedTox Laboratories Web Page October 2023

Updates:

5/3/2010: CPT update.
2/8/2011: CPT update.
1/7/2012: Test # from 305 to 21307, updated list of drugs screened.
4/6/2013: Draw volume increase due to QNS reporting.
1/12/2015: CPT update
5/18/2015: CPT update
8/20/2015 CPT update G0434 removed
1/20/16: CPT update
2/2/2016: CPT update
4/26/2016: Tube type update, previously listed as Red or Green
2/23/2017: Updated TAT
3/23/2020: Updated to new test at MedTox (700898) and CPT change
5/20/2020: Changed Containers: Green tube to GNG, added Gray.
5/22/2020: Updated collection volumes.
10/23/2023: Added specimen stability, confirmed menu of drugs tested, added the word, "Comprehensive" to the title, clarified expected turnaround time may be extended for confirmatory results, clarified critical value definition.
12/5/2023: Added note to Special Instructions regarding preliminary and final results.