
Lab Dept: Chemistry

Test Name: DRUG SCREEN, BLOOD

General Information

Lab Order Codes: SDRG

Synonyms: Toxicology Screen, blood

CPT Codes: 80301 – Drug screen, single class drug class method, by instrumented test systems, per date of service
80304 – Drug screen, not otherwise specified presumptive procedure, each procedure
OR
G0479 – Drug, test, presumptive (if appropriate)

Test Includes: List of drugs screened for in serum/blood: acetaminophen, acetone, acetylmorphine, alprazolam, amitriptyline, amobarbital, amoxapine and metabolite, amphetamine, antidepressants, antipsychotics, barbiturates, benzodiazepines, benzotropine, brompheniramine, bupropion and metabolite, butabarbital, butalbital, caffeine, carbamazepine, carisoprodol, chlordiazepoxide and desmethylchlordiazepoxide, chlorpheniramine, chlorpromazine, chlorzoxazone, clomipramine and desmethylclomipramine, clonazepam, clorazepate (as desmethyldiazepam), clozapine, cocaethylene, cocaine and metabolite, codeine, cyclobenzaprine, desalkylflurazepam, desipramine, desmethyldiazepam, dextromethorphan (as methorphan), diazepam, diltazem, diphenhydramine, doxepin and desmethyldoxepin, doxylamine, ephedrine (and/or pseudoephedrine), ethosuximide, ethyl alcohol, fluoxetine and norfluoxetine, flurazepam and metabolite, fluvoxamine, glutethimide, guaifenesin, halazepam, heroin (as acetylmorphine and morphine), hydrocodone, hydromorphone, hydroxyzine, ibuprofen, imipramine, isopropyl alcohol, ketoprofen, lidocaine, lorazepam, loxapine and metabolite, maprotiline, marijuana and metabolite, mefenamic acid, meperidine and normeperidine, mephobarbital, mepivacaine, meprobamate, mesoridazine, methadone, methamphetamine, methapyrilene, methaqualone, methocarbamol, methorphan, methyl alcohol, methylphenidate, metoprolol, midazolam, morphine, naproxen, nifedipine, nortriptyline, opiates, orphenadrine, oxaprozin, oxazepam, oxycodone, paroxetine, pentazocine, pentobarbital, perphenazine, phenacetin, phencyclidine, phenmetrazine, phenobarbital, phentermine, phenylpropanolamine, phenytoin, prazepam (as desmethyldiazepam), primidone, procainamide, procaine, prochlorperazine, promazine, promethazine, propoxyphene and metabolite, propranolol, protriptyline, pseudoephedrine (and/or ephedrine), pyrilamine, quazepam (as desalkylflurazepam), salicylate, secobarbital, sertraline and desmethylsertraline, temazepam, THC (marijuana) and metabolite, theophylline, thiopental, thioridazine, tolmetin, tramadol and metabolite, trazodone, triazolam, trihexyphenidyl, trimipramine, tripeleminamine,

valproic acid, velafazine and metabolite, and verapamil. This list is not necessarily inclusive of all possible drugs that could be identified.

Logistics

Test Indications:	N/A
Lab Testing Sections:	Chemistry - Sendouts
Referred to:	MedTox Laboratories (MedTox Test# 21307)
Phone Numbers:	Mpls Lab: 612-813-6280 STP Lab: 651-220-6550
Test Availability:	Daily, 24 hours
Turnaround Time:	Final results within 10 – 14 days
Special Instructions:	N/A

Specimen

Specimen Type:	Blood
Container:	Red top, No Gel, tube preferred Alternate: Green (Li Heparin) tube
Draw Volume:	9 mL (Minimum: 9 mL) blood
Processed Volume:	3 mL (Minimum 3 mL) serum or plasma Note: Submission of <3 mL of serum or plasma could result in certain drug levels being reported as QNS as well as the inability to retest any questionable results.
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot into a screw-capped round bottom plastic vial. Ship and store specimen at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:	Negative
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Critical Values: Positive values

Limitations: N/A

Methodology: Immunoassay (IA); Gas Chromatography/Flame Ionization Detection (GC-FID); Gas Chromatography/Mass Spectrometry (GC/MS); Confirmation: Various

References: [MedTox Laboratories Web Page](#) January 2016

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