

TEST LIST (eff. 08/09)

Test Name	Specimen Requirements	Method of Testing	Reference Range(s)	CPT
Most Commonly Requested Toxicology Tests				
Non-DOT 5 Panel Drug Screen (Urine) Amphetamines, Cocaine metabolite, Opiates, Phencyclidine (PCP), THC metabolite (50 ng/ml)	Urine – 30 ml Room temperature Blood – 2 ml Serum	EIA Screen GC/MS Confirm	NA	80101 x5 80102 each
DOT 5 Panel Drug Screen (Urine)	Urine – 30 ml Room temperature	EIA Screen GC/MS Confirm	NA	80101 x 5
Non-DOT 10 Panel Drug Screen (Urine) Amphetamines, Barbiturates, Benzodiazepines, Cocaine metabolite, Methadone, Methaqualone (Quaaludes), Opiates, Phencyclidine (PCP), Propoxyphene (Darvon), THC metabolite (50 ng/ml)	Urine – 30 ml Room temperature Blood – 2 ml Serum	EIA Screen GC/MS Confirm	NA	80101 X 10 80102 Each
5 Panel Drug Screen (Hair or Nails)	At least 250 mg of hair collected from nape of neck	GC/MS	NA	80101 x 5
7 Panel Drug Screen (Hair or Nails)	At least 250 mg of hair collected from nape of neck	GC/MS	NA	80101 x 7
10 Panel Drug Screen (Hair or Nails)	At least 250 mg of hair collected from nape of ck	GC/MS	NA	80101 x 10
Add-Ons to the Above: GC/MS Confirmations on Screen Positives Per Drug Class (Retests) Special Drug Confirmations (eg Ritalin, Ambien) Tryptic Antidepressants Extended Opiates w/5, 7 or 10 Panel Hydrocodone and Oxycodone only w/5, 7 or 10 panel	3 ml serum, plasma, 20 ml urine Room temperature	GC/MS	NA	80102 each 80101
Extended Opiates (without 5, 7 or 10 panel)	3 ml serum, plasma, 20 ml urine Room temperature	GC/MS		

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Date Rape Panel (Rohypnol, Ketamine & GHB)	3 ml serum, plasma, 20 ml urine Room temperature Hair option	GC/MS		
Comprehensive Date Rape Panel	3 ml serum, plasma, 20 ml urine Room temperature Hair option	GC/MS		
Heavy Metals Screen 1 & Cadmium - 24hr Urine: Speciated Arsenic, Lead, Mercury, Cadmium	30 ml well mixed aliquot from a measured (TV) 24hr collection Hair option	ICP-MS	Sp. Arsenic < 2 µg/L Lead < 25 mg/dL Mercury < 5 µg/g Cr Cadmium < 3 µg/g Cr	82175 83655 83825 82300
Heavy Metals Screen I - Urine: Speciated Arsenic, Lead, Mercury	30 ml random urine. Submitted in acid-washed container. Hair option	ICP-MS Ion Chrom	Sp. Arsenic <2 µg/L Lead < 25 mg/dL Mercury < 5 mg/g Cr	82175 83655 83825 82570
Heavy Metals Screen I & Cadmium - Blood: Arsenic, Lead, Mercury, Cadmium	7 ml Royal Blue top tube (EDTA) Hair option	ICP-MS	Arsenic < 25 µg/dL Lead <25 µg/dL Mercury < 5 µg/L Cadmium < 5 µg/L	82175 83655 83825 82300
Heavy Metals Screen I & Cadmium - Urine: Speciated Arsenic, Lead, Mercury, Cadmium	30 ml random urine. Submitted in acid-washed container Hair option	ICP-MS Ion Chrom	Sp. Arsenic <2 µg/L Lead < 25 µg/dL Mercury < 5 mg/g Cr Cadmium < 3 mg/g Cr	82175 83655 83825 82300
Heavy Metals Screen II - 24hr Urine: Speciated Arsenic, Lead, Mercury	30 ml well mixed aliquot from a measured 24hr collection Hair option	ICP-MS Ion Chrom	Sp. Arsenic <2 µg/L Lead < 25 µg/dL Mercury < 5 µg/g Cr	82175 83655 83825
ICP-MS Metals Panel - Urine: Aluminum, Antimony, Total Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Thallium, Zinc	30 ml random urine. 3 ml serum plasma Royal blue tube Hair option	ICP-MS	Aluminum < 30 µg/L Antimony < 3.6 µg/L Total Arsenic < 40 µg/g Beryllium < 2 µg/L	82108 83018 82175 83018 82300 83018 82525 83655

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			Cadmium < 3 µg/g Cr Cobalt Copper 600- 1400 µg/L Lead Manganese < 1 µg/L Thallium < 1 µg/L Zinc 600-1200 µg/L	83785 83018 84603
Unknown Substance Analysis	Unknown substance or residue; biological specimen	HPLC GC/MS	NA	80101 82486
Unknown Toxins and Poisons Scan	3 ml serum, plasma, 20 ml urine Room temperature; other substances; biological specimen	GC/MS, ICPMS		
Lead and Zinc Protoporphyrins (ZPP) Test (Blood)	7 ml Royal Blue top tube (EDTA)	ICP-MS Photofluorometer	(see components)	83655 84202
Lead (Pb) – Blood	7 ml Royal Blue top tube (EDTA)	ICP-MS	<25 µg/dL (adults) <10 µg/dL (children)	83655
Lead (Pb) – Urine	10 ml of well-mixed 24 hr or random urine, submitted in acid-washed container	ICP-MS	<50 µg/L	83655
Lead/Cadmium Panel (OSHA): Blood Lead/ZPP and Cadmium, Urine Beta 2-Microglobulin and Cadmium	7 ml Royal Blue top tube (EDTA) 10 ml of well-mixed 24hr or random urine, submitted in acid-washed container	ICP-MS	(see components)	82232 82300 83655 84202
Benzene Exposure (OSHA), Urine: phenol	25 ml Urine (Refrigerate)	GC/MS	<20 µg/g creatinine	82491
Benzene Exposure, Blood & Urine: benzene, phenol	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate Both)	GC/MS	(see components)	82492
Benzene, Blood	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS	none detected	82491
Chromium (Cr), Speciation, Blood	1 ml Whole blood 2 ml serum royal blue tube	ICP/MS	<0.6 µg/L	82495

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Chromium (Cr), Urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed container.	ICP/MS	<5 µg/L	82495
Meconium Drug Panel 3 - Amphetamines, Cocaine, THC metabolite (50 ng/ml)	2 gm Meconium Room temp	EIA Screen GC/MS Confirm	N/A	80101 x3 80102 ea
Meconium Drug Panel 5 - Amphetamines, Cocaine, Opiates, Phencyclidine (PCP), THC metabolite (50 ng/ml)	2 gm Meconium Room temp	EIA Screen GC/MS Confirm	N/A	80101 x5 80102 ea
Meconium Drug Panel 7 - Amphetamines, Barbiturates, Benzodiazepines, Cocaine, Opiates, Phencyclidine (PCP), THC metabolite (50ng/ml)	2 gm Meconium Room temp	EIA Screen GC/MS Confirm	N/A	80101 x7
Meconium Drug Panel 9 - Amphetamines, Barbiturates, Benzodiazepines, Cocaine, Methadone, Opiates, Phencyclidine (PCP), Propoxyphene (Darvon), THC metabolite (50 ng/ml)	2 gm Meconium Room temp	EIA Screen GC/MS Confirm	N/A	80101 x9
Meconium Drug Panel 10: Amphetamines, Barbiturates, Benzodiazepines, Cocaine metabolite, Methadone, Methaqualone (Quaaludes), Opiates, Phencyclidine (PCP), Propoxyphene (Darvon), THC metabolite (50 ng/ml)	2 gm Meconium Room temp	EIA Screen GC/MS Confirm	NA	80101 x10 80102 ea
Ethyl Glucuronadide Urine Blood Hair (recommend urine sample be submitted with hair sample)	2 ml urine 3 ml serum.plasma At least 250 mg of hair collected from nape of neck	 LC/MS/MS	 NA	
Steroid Panel- 17 alpha-methyl testosterone DHEA Epi-testosterone Mestanalone Norethandrolone Stanozolol Testo: Epitesto Ratio Testosterone Extra steroid analyte	30 ml Urine or 3 ml serum or plasma	GC/MS/LC/MS		
Comprehensive Steroid Panel	30 ml urine 3 ml serum.plasma	GC/MS/LC/MS		
Nicotine & Cotinine - Urine	10 ml urine Room temperature	GC/MS	<200 ng/ml, Passive inhalation >200 ng/ml, Active	83887 82570

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			inhalation	
Nicotine & Cotinine -Serum	3 ml serum or plasma Room temp	GC/MS	3-60 ng/ml	83887
Medical Review Officer (MRO) Service Per Report				
Other Toxicology Tests Available				
Acetaminide (N-acetyl Procainamide)	1 ml serum or plasma Room temp	GC/MS	12-25 µg/ml	80192
Acetaminophen (Tylenol)	1 ml serum or plasma Room temp	GC/MS	10-20 µg/ml Toxic>150 µg/ml, 4 hours Post ingestion	82003
Acetone	No alcohol prep 1 ml whole blood, (NaF/oxalate), serum, plasma, urine (2 ml) Room temp	GC/MS	<10 mg/l for urine <20 mg/l for serum, plasma, whole blood	Blood 82010 Urine 82009
Acetone	Urine 2 ml Room temperature	EIA	<10 mg/l for urine	Urine 80101
Acetylsalicylic Acid (as Salicylates)	1 ml serum or plasma Room temp	Spectro-photometer	2-25 gm/dl	80196
Advil (Ibuprofen)	2 ml serum or plasma Room temp	GC/MS	10-50 µg/ml	82491
a-Hydroxy-Alprazolam	10 ml urine Room temp	GC/MS	N/A	80154
Alcohol, (Ethyl)	1 ml whole blood (NaF/Oxalate) 2 ml urine Room temperature	GC/MS	Therapeutic for Methanol Poisoning 0.100-0.200 gm/dl (Whole blood)	82055
Alcohol, (Isopropyl)	1 ml whole blood (NaF/Oxalate) 2 ml urine Room temp	GC/MS	Negative	82055

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Alcohol, (Methyl)	1 ml whole blood (NaF/Oxalate)grey top 2 ml urine Room temp	GC/MS EIA	N/A	GC84600 EIA80101
Alcohol, Urine (Ethanol)	2 ml urine Room temp	GC/MS EIA	NA	GC82055 EIA80101
Alpha-hydroxy-alprazolam	10 ml Urine, Room temperature	GC/MS	NA	80154
Alprazolam (Xanax)	2 ml whole blood (Greytop)	GC/MS	5-25 ng/ml	80154
Aluminum (Al), Serum	1 ml Blood Royal Blue Tube (no Hemolysis)	ICP-MS	<10 µg/L	82108
Aluminum (Al), Urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed container	ICP-MS	<30 µg/L	82108
4-Aminodiphenol	2 ml serum	GC/MS		
Amantadine (Symmetrel)	3 ml serum, plasma Room temperature	GC/MS	Not Established. Expect Steady State Concentrations of 200-1000 µg/ml with recommended daily dosages	82491
Ambien (Zolpidem)	3 ml serum, plasma Room temperature	GC/MS	Up to 250 ng/ml	82491
Amitriptyline (Elavil) & Nortriptyline	2 ml serum or plasma Room temperature	GC/MS	Combined total: 75-250 ng/ml Nortriptyline: 50-150 ng/ml	80152 80182
Amobarbital (Amytal)	2 ml serum or plasma Room temperature	GC/MS	1-8 µg/ml	82205
Amorbarbital	10 ml Urine Room temperature	GC/MS	1-8 µg/ml	82205

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Amphetamine	10 ml Urine, Room temperature	GC/MS	NA	82145
Amphetamine & Methamphetamine	10 ml Urine, Room temperature	GC/MS	NA	82145 x2
Amphetamines	10 ml Urine Room temperature	GC/MS	NA	82145
Amphetamines - Blood	5 ml whole blood, serum or plasma Room temperature	GC/MS	N/A	80102
Anafranil (Clomipramine) & Desmethylclomipramine	2 ml serum or plasma Room temperature	GC/MS	Clomipramine: 70-200 ng/ml Desmethylclom ipramine: 150-300 ng/ml	82491
Antidepressant Screen	3 ml serum, plasma, urine Room temperature	GC/MS	N/A	80101
Antimony (Sb), Urine	10 ml of well- mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<3.6 µg/L	83018
Aromatic Solvent Metabolites, Urine: o-cresol, hippuric acid, mandelic acid, methyl hippuric acids, phenylglyoxylic acid, phenol	25 ml Urine (Refrigerate)	GC/MS	(see components)	82544
Aromatic Solvents, Blood: benzene, ethylbenzene, styrene, toluene, xylenes	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS headspace	none detected	82544
Arsenic (As) Speciated, Urine	10 ml of well- mixed 24hr or random urine. Submitted in acid-washed container.	ICP/MS Ion chrom	<20 µg/L	82175
Arsenic (As) Total, Urine	10 ml of well- mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<40 µg/L	82175
Arsenic (As), Blood	7 ml royal blue top tube (EDTA)	ICP-MS	<25 µg/L	82175

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Arsenic (As), Serum	1 ml Serum (no Hemolysis)	ICP-MS	<25 µg/L	82175
Aspirin (as Salicylates)	1 ml serum or plasma Room temperature	HPLC	20–250 µg/ml	80196
Ativan (Lorazepam)	2 ml serum or plasma Room temperature	GC/MS	50-240 ng/ml	80154
Atovaquone and Proguanil	2ml serum and/or 20 ml of urine fresh collection	GC/MS	N/A	80299
Aventyl (Nortriptyline)	2 ml serum or plasma Room temperature	GC/MS	50-150 ng/ml	80182
Aventyl (Nortriptyline) - Urine	10 ml Urine Room temperature	GC/MS	N/A	80182
Barbiturate Confirmation	10 ml Urine, Room temperature	GC/MS	NA	82542
Barbiturate Screen - Serum, Blood	2 ml serum, plasma or whole blood Room temp	EIA	N/A	82205
Barbiturates Quant/Confirmation	10 ml Urine Room temperature	GC/MS	NA	82542
Barium (Ba), Urine	10 ml of well- mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<20 µg/L	83018
Benadryl (Diphenhydramine)	2 ml serum or plasma Room temperature	GC/MS	30-50 ng/ml as antihistamine 50-300 ng/ml as sedative	80299
Benzodiazepine Screen - Blood	2 ml serum, plasma or whole blood Room temperature	HPLC, GC/MS EIA	N/A	80154
Benzodiazepines Screen Urine	10 ml Urine, Room temperature	GC/MS	NA	80101
Benzodiazepines Quant/Confirmation	10 ml Urine, 2 ml serum or plasma Room temperature	GC/MS	NA	82542
Benzoylcegonine	2 ml serum, Room temperature	GC/MS	NA	82520

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Benzoylcegonine (BE) – Cocaine -confirm	10 ml Urine Room temp	EIA GC/MS	NA	82520
Benztropine (Cogentin)	3 ml serum, plasma Room temperature	GC/MS	5.0-25.0 ng/ml	82491
Beryllium (Be), Urine	10 ml of well- mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<2 µg/L	83018
Bismuth (Bi), Urine	10 ml of well- mixed 24hr or random urine.	ICP-MS	<1.6 µg/L	83018
Boron (B), Urine	10 ml of well- mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<3.3 µg/L	84999
Breast Milk Drug Panel 10: Amphetamines, Barbiturates, Benzodiazepines, Cocaine metabolite, Methadone, Methaqualone (Quaaludes), Opiates, Phencyclidine (PCP), Propoxyphene (Darvon), THC metab.	4 ml Breast Milk Room temperature	EIA GC/MS	NA	80101 x10
B-T-X & Metabolites, Blood & Urine: benzene, toluene, xylene, o-cresol, hippuric acid, methyl hippuric acids, phenol	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate Both)	GC/MS	(see components)	82492
B-T-X Metabolites, Urine: phenol, o-cresol, hippuric acid, methyl hippuric acids	25 ml Urine (Refrigerate)	GC/MS	none detected	82492
B-T-X, Blood: benzene, toluene, xylenes	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS	none detected	82492
Bupivacaine (Marcaine)	2 ml serum, plasma Room temperature	GC/MS	0.1-4.0 µg/ml	82491
Bupropion (Wellbutrin) and Hydroxybupropion	2 ml serum or plasma Room temperature	GC/MS	Bupropion: 50- 100 ng/ml Hydroxybupropi on:	80188

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			600 - 200 ng/ml	
Butabarbital (Butisol)	2 ml serum or plasma Room temperature	GC/MS	8-17 µg/ml	82205
Butalbital	10 ml Urine, Room temperature	GC/MS	NA	82542
Butalbital (Fiorinal) - Serum	2 ml serum or plasma Room temperature	GC/MS	1-10 µg/ml	82205
Cadmium (Cd), Blood	7 ml royal blue top tube (EDTA)	ICP-MS	<5 µg/L	82300
Cadmium (Cd), Serum	1 ml Serum (no Hemolysis)	ICP-MS	<5 µg/L	82300
Cadmium (Cd), Urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<3 µg/L	82300
Cadmium OSHA Panel (Urine Only): cadmium urine, beta 2- microglobulin	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS/IMX	(see components)	82300 82232
Cadmium, OSHA Exposure: cadmium blood, cadmium urine, beta 2-microglobulin urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed container. 7 ml royal Blue Top Tube (EDTA)	ICP-MS/IMX	(see components)	82300 82232
Caffeine - Serum, Urine	2 ml serum or plasma, urine Room temperature	GC/MS	8-20 µg/ml	Blood 80299 Urine 83520
Cannabinoids (Marijuana) - Blood, (THC and 9-Carboxy THC)	5 ml whole blood, serum, plasma Refrigerate	GC/MS	N/A	80299
Capsule Analysis	Capsule or Residue	HPLC, GC/MS	NA	84999

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Carbamate Pesticide Screen, Urine*	25 ml Urine (Refrigerate)	GC/MS	none detected	82441
Carbamazepine (Tegretol) - total	2 ml serum or plasma Room temperature	GC/MS	4-12 µg/ml	80156
Carbamazepine Metabolite (10,11-epoxide)	2 ml serum or plasma Room temperature	GC/MS	0.4-4.0 µg/ml	80156
CarboxyHemoglobin	2 ml serum or plasma	LC/MS		
Cardizem (Diltiazem)	3 ml serum, plasma Room temp	GC/MS	50 - 200 ng/ml	82491
Carisoprodol (Soma) & Meprobamate	2 ml serum or plasma Room temperature	GC/MS	Carisoprodol: <20 µg/ml, Meprobamate: 5-20 µg/ml	83805
Celexa (Citalopram & Desmethylcitalopram)	2 ml serum or plasma Room temperature	GC/MS	Not Established: Expect concentrations of 30 - 200 ng/ml 1 to 2 weeks after daily dose of 40 mg	82492
Celontin (Methsuximide) (as desmethyl methsuximide)	2 ml serum or plasma Room temperature	GC/MS	10-40 µg/ml	83858
Centrax (Prazepam) asDesmethyldiazepam	2 ml serum or plasma Room temp	GC/MS	100-2200 ng/ml	80154
Chlordane Exposure, Serum: a-chlordane, b- chlordane, transnonachlor, hptachlor, heptachlor epxide, oxychlordane	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	none detected	82441
Chlordiazepoxide (Librium) & Metabolite	2 ml serum or plasma FREEZE	GC/MS	100-3000 ng/ml combined total	80154
Chlorinated Solvent Metabolites, Blood: trichloroacetic acid, trichloroethanol	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS	none detected	82441
Chlorinated Solvent Metabolites, Urine: trichloroacetic acid, trichloroethanol	25 ml Urine (Refrigerate)	GC/MS	none detected	82441
Chlorinated Solvents, Blood: perchloroethylene, trichloroethane, trichloroethene	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS	none detected	82441

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Chlorpromazine (Thorazine)	2 ml serum or plasma Room temperature	GC/MS	50-500 ng/ml	84022
Chlorpyrifos (see Trichloropyridinol)	25 ml Urine	GC-MS	<13 µg/L	82441
Cholinesterase BASELINE Panel: RBC Cholinesterase, serum cholinesterase	1 ml Serum or Plasma (EDTA) + 7 ml Lavender (EDTA) Top Tube DO NOT SPIN or SEPARATE contents of Lavender top tube. SHIP REFRIGERATED	Spectrophotometer	Serum: 1.8-4.2 IU/ml RBC: 9.2-12.9 IU/ML	82482 85184
Cholinesterase, RBC & Serum (or Plasma)	1 ml Serum or Plasma (EDTA) + 7 ml Lavender (EDTA) Top Tube DO NOT SPIN or SEPARATE contents of Lavender top tube. SHIP REFRIGERATED	Spectrophotometer	Serum: 1.8-4.2 IU/ML RBC: 9.2-12.9 IU/ML	82480 82482 85014
Cholinesterase, RBC (Whole Blood)	7 ml Lavender (EDTA) Top Tube DO NOT SPIN or SEPARATE Ship INTACT Specimen to Lab REFRIGERATED	Spectrophotometer	9.2 - 12.9 IU/ml	82482 85184
Cholinesterase, Serum or Plasma	1 ml Serum or Plasma (EDTA), centrifuged and separated ASAP after collection. Refrigerate SHIP REFRIGERATED	Spectrophotometer	1.8-4.2 IU/ml	82480
Citalopram & Desmethylcitalopram (Celexa)	2 ml serum or plasma Room temperature	GC/MS	Not Established: Expect concentrations of 30 - 200 ng/ml	82492

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			1 to 2 weeks after daily dose of 40 mg	
Clomipramine (Anafranil) & Desmethylclomipramine	2 ml serum or plasma Room temperature	GC/MS	Clomipramine: 70-200 ng/ml Desmethylclom ipramine:150- 300 ng/ml	82491
Clonazepam (Klonopin)	2 ml serum or plasma Room temperature PROTECT FROM LIGHT	GC/MS	20-60 ng/ml	80154
Clorazepate (Tranxene) As Desmethyldiazepam	2 ml serum or plasma Room temperature	GC/MS	100-2200 ng/ml	80154
Cobalt (Co), Blood	7 ml royal blue top tube(EDTA)	ICP-MS	<1 µg/L	83018
Cobalt (Co), Urine	10 ml of well- mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<2 µg/L	83018
Cocaethylene	5 ml serum, plasma,whole blood, Urine FREEZE	GC/MS	N/A	82101
Cocaine & Benzoylcegonine Blood, Quantitative	5 ml serum, plasma,or whole blood FREEZE	GC/MS	N/A	82520
Cocaine and Metabolit (Benzoylcegonine)	10 ml Urine, Freeze	GC/MS	NA	82520 x2
Codeine	10 ml Urine, Room temp	GC/MS	NA	80102
Codeine & Morphine	10 ml Urine, Room temp	GC/MS	NA	80102 x2
Codeine & Morphine Quant/Confirmation (Opiates Confirm)	10 ml Urine Room temperature	GC/MS	NA	80102 x2
Codeine -Serum	3 ml serum or plasma Room temperature	GC/MS	50-200 ng/ml	82491
Cogentin (Benztropine)	3 ml serum, plasma Room Temp	GC/MS	5.0-25.0 ng/ml	82491

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Compazine (Prochlorperazine)	3 ml serum or plasma Room temperature PROTECT FROM LIGHT	GC/MS	0.5-5.0 ng/ml	84022
Comprehensive Drug Screen/confirmation –10 drugs	30 ml Urine, Room temperature Most positive drugs can be quantified in blood and urine.	HPLC GC/MS EIA	NA	80101 x10 Screen 80102 x10 GC/MS
Copper (Cu), Serum	1 ml Serum (no Hemolysis)	ICP-MS	600-1400 µg/L	82525
Copper (Cu), Urine	10 ml of well-mixed 24hr or random urine.	ICP-MS	4-75 µg/L	82525
Cordarone (Amiodarone)	2 ml serum or plasma Room temperature	GC/MS	Combined total: 500-2500 ng/ml	80299
Creatinine, Urine	10 ml Urine, Random	EIA	unpublished	82570
Cyanide-Urine	10 ml Urine	GC/MS	0-0.30 µg/ml urine	82600
Cyanide-Blood	2 ml plasma grey top	GC/MS	<.05 µg/ml blood	82600
Cyclobenzaprine (Flexeril)	2 ml serum Room temp	GC/MS	10-30 ng/ml	82491
Dalmane (Flurazepam) & Desalkylflurazepam	3 ml serum or plasma FREEZE	GC/MS	Flurazepam: 0-30 ng/ml Desalkylflurazepam: 30-150 ng/ml Total: 30-180 ng/ml	82742
Darvon (Propoxyphene) & Norpropoxyphene - Serum	3 ml serum or plasma Room temperature	GC/MS	Propoxyphene: 200-800 ng/ml Norpropoxyphene: 200-2200 ng/ml Combined total: 400-3000 ng/ml	82491
Darvon – Urine (Propoxyphene) & Norpropoxyphene	10 ml Urine room temp	GC/MS	Propoxyphene: 200-800 ng/ml Norpropoxyphene: 200-2200 ng/ml Combined total: 400-3000 ng/ml	80101

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DDD, Serum	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	<2.0 µg/L	82441
DDE, Serum	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	<52.9 µg/L	82441
DDT Exposure, Serum: DDT, DDD, DDE	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	(see components)	82441
Demerol (Meperidine) & Normeperidine - Urine	5 ml urine Room Temp	GC/MS	N/A	80102
Demerol (Meperidine) & Normeperidine - Serum	3 ml serum or plasma Room temperature	GC/MS	Meperidine: 200-800 ng/ml	83925
Depakene (Valproic Acid) Total	1 ml serum or plasma Room temp	GC/MS	50-120 µg/ml	80164
Depakote (Divalproex) (Measured as Valproic Acid)	1 ml serum or plasma Room temp	GC/MS	50-120 µg/ml	80164
Desipramine (Norpramin)	2 ml serum or plasma Room temperature	GC/MS	50-150 ng/ml	80160
Desmethyldiazepam	10 ml Urine, Room temp	GC/MS	NA	82542
Desmethyldiazepam	10 ml Urine Room temp	GC/MS	NA	82542
Desyrel (Trazodone)	2 ml serum or plasma Room temp	GC/MS	800-1600 ng/ml	80299
Dextrose (IV fluid)	10 ml fluid	GC/MS	NA	82945
Diazepam & Desmethyldiazepam	10 ml Urine, Room temp	GC/MS	NA	82542 x2
Diazepam & Desmethyldiazepam	10 ml Urine Room temp	GC/MS	NA	82542 x2
Diazepam (Valium) Desmethyldiazepam	2 ml serum or plasma Room temperature	GC/MS	Combined Total: 100-1500 ng/ml	80154
Dieldrin, Serum	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	<1.5 µg/L	82441

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Dilantin (Phenytoin) -free & total	3 ml serum or plasma Room temperature	GC/MS HPLC	Free: 1-2 µg/ml Total: 10-20 µg/ml	80186
Dilantin (Phenytoin) -total	1 ml serum or plasma Room temp	GC/MS	10-20 µg/ml	80185
Diltiazem (Cardizem)	3 ml serum, plasma Room temp	GC/MS	50 - 200 ng/ml	82491
Dimethylacetamide (DMAC), Urine Metabolite	25 ml Urine (Refrigerate)	GC/MS	<5 µg/L	82491
Dimethylformamide (DMF), Urine Metabolite	25 ml Urine (Refrigerate)	GC/MS	<5 µg/L	82491
Diphenhydramine (Benadryl)	2 ml serum or plasma Room temperature	GC/MS	As Antihistamine: 30-50 ng/ml As Sedative: 50-300 ng/ml	80299
Disopyramide (Norpace)	1 ml serum or plasma Room temp	GC/MS	2.0-6.0 µg/ml	80299
Divalproex (Depakote) (as Valproic Acid)	1 ml serum or plasma Room temperature	GC/MS	50-100 µg/ml	80164
Dolophine (Methadone) - Blood	2 ml serum or plasma Room temp	GC/MS	50-1000 ng/ml	83840
Doxepin (Sinequan) and Desmethyldoxepin	2 ml serum or plasma Room temperature	GC/MS	Combined Total: 90-250 ng/ml	80166
Ecstasy (MDMA), Blood	5 ml Blood, Plasma or Serum Refrigerate	GC/MS	NA	82542
Ecstasy (MDMA), Urine	10 ml urine Refrigerate	GC/MS	N/A	82542
Effexor (Venlafaxine)	3 ml serum Room temperature	GC/MS	Not established. Expected concentrations: Venlafaxine: 100-500 ng/ml Desmethylvenlafaxine: 200-400 ng/ml	82492
Elavil (Amitriptyline) & Nortriptyline	3 ml serum or plasma Room temp No serum separator gels	GC/MS	Combined total: 75-250 ng/ml Nortriptyline: 50-150 ng/ml	80152

TEST LIST (eff. 08/09)

Ephedrine	10 ml Urine, Room temp	GC/MS	NA	82491
Equanil (Meprobamate)	2 ml serum or plasma room temp	GC/MS	5-20 µg/ml	83805
Ethanol -blood	1 ml whole blood (NaF/Oxalate) 2 ml urine Room Temp	GC/MS	Therapeutic for methanol poisoning: 0.100-0.200 gm/dl (Whole blood)	82055
Ethanol -urine	2 ml urine Room Temp	EIA GC/MS	N/A	80101 82055
Ethyl Alcohol -blood	1 ml whole blood (NaF/Oxalate)	GC/MS	0.100-0.200 gm/dl (Whole blood) Therapeutic for Methanol poisoning	82055
Ethyl Alcohol -urine	2 ml urine Room temp	EIA GC/MS	N/A	82055
Ethylbenzene & Styrene Metabolites, Urine: phenylglyoxylic acid, mandelic acid	25 ml Urine (Refrigerate)	GC/MS	none detected	82492
Ethylbenzene Exposure, Blood & Urine: ethylbenzene, mandelic acid, phenylglyoxylic acid	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate)	GC/MS (headspace)	none detected	82492
Ethylbenzene, Blood	2 x 7 ml Lavender Top Tubes	GC/MS (headspace)	none detected	82491
Ethylene Glycol	3 mL serum	GC/MS	None detected	82693
Etrafon (Triavil) (as Amitriptyline Nortriptyline and Perphenazine)	3 ml serum or plasma Room temp PROTECT FROM LIGHT	GC/MS	Amitriptyline and Nortriptyline: 75-250 ng/ml Perphenazine: 5-30 ng/ml	80152 80182 84022
Fentanyl (Innovar)	3 ml serum, plasma,urine Room temp	GC/MS	1-3 ng/ml N/A for urine	83925
Fiorinal (Butalbital)	2 ml serum or plasma Room temperature	GC/MS	1-10 µg/ml	82205
Flexeril (Cyclobenzaprine)	2 ml serum or plasma RmTmp	GC/MS	10-30 ng/ml	82491

TEST LIST (eff. 08/09)

Flunitrazepam (Rohypnol) Urine, qualitative	10 ml Urine Room temperature	GC/MS	N/A	80101
Fluoxetine (Prozac) & Norfluoxetine	2 ml serum or plasma Room temp	GC/MS	300-1150 ng/ml combined total	82491
Fluphenazine (Prolixin)	3 ml serum or plasma Room temperature	GC/MS	5-20 ng/ml 0.5-2.25 ng/ml, low dose	84022
Flurazepam (Dalmane) & Desalkylflurazepam	3 ml serum or plasma FREEZE	GC/MS	Flurazepam: 0-30 ng/ml, Desalkylflurazepam: 30-150 ng/ml Total: 30-180 ng/ml	82742
Gamma-Hydroxy butyric Acid (GHB)	5 ml urine Room temp	GC/MS	Negative	83918
GHB (Gamma-Hydroxybutyric Acid)	5 ml urine Room temp	GC/MS	Negative	83918
Glucose(IV Fluid)	10 ml fluid	GC/MS	NA	82945
Glutryaldehyde	10 ml urine	GC/MS		
Haloperidol (Haldol)	2 ml serum or plasma Room temperature	GC/MS	5-15 ng/ml	80173
Hexachlorobenzene, Serum	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	<1.0 µg/L	82441
Hippuric Acid (Toluene Metabolite), Urine	10 ml Urine (Refrigerate)	GC/MS	none detected	83198
Hydrocodone (Hycodan)	10 ml Urine, Room temp	GC/MS	NA	83925
Hydromorphone (Dilaudid)	10 ml Urine, Room temp	GC/MS	NA	83925
Hydroxyzine (Vistaril)	2 ml serum or plasma Room temp	GC/MS	10-100 ng/ml	82491
Ibuprofen (Advil, Motrin, Nuprin, Rufen)	2 ml serum or plasma Room temperature	GC/MS	10-50 µg/ml	82491
ICP-MS Metals Panel - Urine: Aluminum, Antimony, Total Arsenic, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Thallium, Zinc	30 ml random urine.	ICP-MS	Aluminum < 30 µg/L Antimony < 3.6 µg/L Total Arsenic < 40 µg/g Beryllium < 2 µg/L	82108 83018 82175 83018 82300 83018 82525 83655

TEST LIST (eff. 08/09)

			Cadmium < 3 µg/g Cr Cobalt Copper 600- 1400 µg/L Lead Manganese < 1 µg/L Thallium < 1 µg/L Zinc 600-1200 µg/L	83785 83018 84603
Imipramine (Tofranil) and Desipramine	3 ml serum or plasma Room temperature	GC/MS	Combined Total: 100-300 ng/ml Desipramine: 50-150 ng/ml	80174 80160
Inderal (Propranolol)	2 ml serum	GC/MS	10-150 ng/ml	80299
Innovar (Fentanyl) -serum	3 ml serum, plasma, urine Room temp	GC/MS	1-3 ng/ml	80299
Innovar (Fentanyl) -urine	5 ml urine Room temp	GC/MS	N/A	83925
Isopropanol (Isopropyl Alcohol)	1 ml whole blood NaF/oxalate Room Temp	GC/MS	Negative	84600
Ketamine-urine	20 ml urine, room temp	GC/MS	Non detected	
Ketamine-blood	2 ml serum, room temp	GC/MS	Non detected	
Klonopin (Clonazepam)	2 ml serum or plasma Room temperature	GC/MS	20-60 ng/ml	80154
Librium (Chlordiazepoxide) & Metabolite	2 ml serum or plasma FREEZE	GC/MS	100-3000 ng/ml	80154
Lidocaine (Xylocaine) -total	1 ml serum or plasma Room temperature	GC/MS	1.2-6 µg/ml	80176
Lindane (Gamma-BHC), Serum	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	<0.2 µg/L	82441
Lioresal(Baldofen)	2 ml serum or plasma	GC/MS	NA	

TEST LIST (eff. 08/09)

Lithium	2ml serum - Red Top Tube Pour Off Serum	ICP-MS	0.5 - 1.4 meq/L	80178
Lopressor (Metoprolol)	3 ml serum or plasma Room temperature	GC/MS	30-280 ng/ml	82491
Lorazepam (Ativan)	10 ml Urine Room temperature	GC/MS	NA	82542
Lorazepam (Ativan)	2 ml serum or plasma Room temperature	GC/MS	50-240 ng/ml	80154
Ludiomil (Maprotiline)	3 ml serum or plasma Rm Tmp	GC/MS	180-300 ng/ml	82491
Malathion (Monocarboxylic acid; Dicarboxylic acid), Urine	25 ml Urine (Ship Frozen)	GC/MS	none detected	82441
Mandelic Acid, Urine	25 ml Urine (Refrigerate)	HPLC	none detected	83198
Manganese (Mn), Blood	7 ml royal blue top tube (EDTA)	ICP-MS	<1 µg/L	83785
Manganese (Mn), Serum	2 ml Serum Tube (Refrigerate)	ICP-MS	<1 µg/L	83785
Manganese (Mn), Urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<1 µg/L	83785
Maprotiline (Ludiomil)	3 ml serum or plasma Room temperature	GC/MS	180-300 ng/ml	82491
Marcaine (Bupivacaine)	2 ml serum, plasma	GC/MS	0.1-4.0 µg/ml	82491
Marijuana (Cannabinoids) – Blood THC & 9-Carboxy THC	5 ml serum, plasma, whole blood Refrigerate	GC/MS	N/A	82542
MDA (Methylenedioxamphetamine)	5 ml serum, plasma, whole blood Room temp	GC/MS	NA	82542

TEST LIST (eff. 08/09)

MDMA (Methylenedioxymethamphetamine & metabolite, Ecstasy Methylenedioxamphetamine (MDA))	10 ml urine Room temperature	GC/MS	NA	82542
MDMA (Methylenedioxymethamphetamine & metabolite, Ecstasy Methylenedioxamphetamine (MDA))	5 ml serum, plasma, whole blood Room temperature	GC/MS	NA	82542
Mebaral (Mephobarbital) & Phenobarbital	2 ml serum or plasma Room temp	GC/MS	Mephobarbital: 1-15 µg/ml Phenobarbital: 15-40 µg/ml	82205 80184
Mellaril (Thioridazine) & Mesoridazine	2 ml serum or plasma Room temperature	GC/MS	Thioridazine: 250-1250 ng/ml Mesoridazine: 150-1000 ng/ml	84022
Meperidine (Demerol) & Metabolite - Urine	5 ml urine Room temp	GC/MS	N/A	80102
Meperidine (Demerol) & Metabolite - Blood	3 ml serum or plasma Room temp	GC/MS	Meperidine: 200-800 ng/ml	83925
Meperidine Dosage Form	Syringes, vials, capsules or pills Room temp	GC, GC/MS	N/A	83925
Mephénytoin (Mesantoin)	2 ml serum or plasma Room temp	GC/MS	Mephénytoin: 1-5 µg/ml	82491
Mephobarbital (Mebaral & Phenobarbital)	2 ml serum or plasma Room temp	GC/MS	Mephobarbital: 1-15 µg/ml Phenobarbital: 15-40 µg/ml	82205 80194
Meprobamate (Miltown, Equanil)	2 ml serum or plasma Room temp	GC/MS	5-20 µg/ml	83805
Mercury (Hg), Blood	7 ml royal blue top tube (EDTA)	ICP-MS	<5 µg/L	83825
Mercury (Hg), Serum	2 ml Serum Tube (Refrigerate)	ICP-MS	<5 µg/L	83825
Mercury (Hg), Urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed cont	ICP-MS	<5 µg/g creatinine	83825
Mesantoin (Mephénytoin)	2 ml serum or plasma Room temp	GC/MS	Mephénytoin: 1-5 µg/ml	82491

TEST LIST (eff. 08/09)

Mesoridazine (Serentil)	2 ml serum or plasma Room tmp	GC/MS	150-1000 ng/ml	84022
Methadone & Metabolite Quant/Confirmation	10 ml Urine Room temp	GC/MS	NA	80102 x2
Methadone (Dolophine) - Blood	4 ml serum, plasma, whole blood	GC/MS	50-1000 ng/ml	83840
Methanol -Blood, Urine	1 ml serum, plasma, whole blood 2 ml Urine Room temp	GC/MS	N/A	84600
Methaqualone Quant/Confirmation	10 ml Urine, Room temp	GC/MS	NA	80102 x2
Methotrexate (Mexate)	2 ml serum or plasma Room temp PROTECT FROM LIGHT	HPLC GC/MS	>10 mmole/L, TOXIC 24 hour >1.0 mmole/L, TOXIC 48 hour >0.1 mmole/L, TOXIC 72 hour	83520
Methsuximide (Celontin) (as desmethsuximide)	2 ml serum or plasma Room temperature	GC/MS	10-40 µg/ml	83858
Methyl Alcohol	1 ml serum, plasma, whole blood 2ml Urine	GC/MS	N/A	84600
Methyl Ethyl Ketone (MEK), Blood	2 x 7 ml Lavender Top Tubes	HPLC	none detected	82491
Methyl Ethyl Ketone (MEK), Urine	10 ml Urine (Refrigerate)	HPLC	none detected	82491
Methyl Isobutyl Ketone (MIBK), Blood	2 x 7 ml Lavender Top Tubes	HPLC	none detected	82491
Methyl Isobutyl Ketone (MIBK), Urine	10 ml Urine (Refrigerate)	HPLC	none detected	82491
Methyl N-Butyl Ketone (MBK), Blood	2 x 7 ml Lavender Top Tubes	HPLC	none detected	82491
Methyl N-Butyl Ketone (MBK), Urine	10 ml Urine (Refrigerate)	HPLC	none detected	82491
Methylenedianiline, 4,4'-(MDA), Urine	10 ml Urine (Refrigerate)	GC-MS	none detected	83788
Methylenedioxamphetamine (MDA)	5 ml serum, plasma, whole blood Room temp	GC/MS	NA	82542

TEST LIST (eff. 08/09)

Methylenedioxymethamphetamine (MDMA, Ecstasy) and metabolite, Methylenedioxamphetamine (MDA)	5 ml serum, plasma, whole blood Room temp	GC/MS	NA	82542
Methylhippuric Acids, Total (MHA), Urine	10 ml Urine (Refrigerate)	HPLC	none detected	83198
Metoprolol, (Lopressor)	3 ml serum or plasma Room temp	GC/MS	30-280 ng/ml	82491
Mexate (Methotrexate)	2 ml serum or plasma Room temperature PROTECT FROM LIGHT	HPLC GC/MS	>10 mmole/L, TOXIC 24 hour >1.0 mmole/L, TOXIC 48 hour >0.1 mmole/L, TOXIC 72 hour	83520
Mexiletine (Mexitil)	2 ml serum or plasma Room temp	GC/MS	500-2000 ng/ml	82491
Mexitil (Mexiletine)	2 ml serum or plasma Room temperature	GC/MS	500-2000 ng/ml	82491
Midazolam (Versed)	2 ml serum or plasma Room temperature	GC/MS	50-600 ng/ml	80154
Miltown (Meprobamate)	2 ml serum or plasma Room temperature	GC/MS	5-20 µg/ml	83805
Mirtazapine (Remeron)	3 ml serum, plasma Room temp	GC/MS	Not Established. Expect Steady State Concentrations of 4.0 -40.0 ng/ml with recommended daily dosages	82491
Moban (Molindone)	2 ml serum or plasma Room temperature	GC/MS	30-70 ng/ml	82491
Mogadone (Nitrazepam) - Serum	2 ml serum or plasma Room temperature	GC/MS	30-100 ng/ml	82491
Molindone (Moban)	2 ml serum or plasma Room temperature	GC/MS	30-70 ng/ml	82491
Molybdenum (Mo), Blood	7 ml royal blue top tube (EDTA)	ICP-MS	<40 µg/L	83789
Molybdenum (Mo), Urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-	ICP-MS	<168 µg/L	83789

TEST LIST (eff. 08/09)

	washed container.			
Morphine - Urine, Quantitation	10 ml Urine Room temp	GC/MS	NA	83925
Morphine -Blood, Quantitation	3 ml serum or plasma Room temperature	GC/MS	10-70 ng/ml	83925
Morphine Dosage Form	Syringes, vials, capsules, pills Room temp	GC/MS	N/A	83925
Morphine -Free and Total	5 ml Urine Room temp	GC/MS	N/A	83925
Motrin (Ibuprofen)	2 ml serum or plasma Room temp	GC/MS	10-50 µg/ml	82491
Mysoline (Primidone)	1 ml serum or plasma Room temperature	GC/MS	5-12 µg/ml	80188
Mysoline (Primidone) & Phenobarbital	2ml serum or plasma Room temp	GC/MS	Primidone: 5- 12 µg/ml Phenobarbital: 15-40 µg/ml	80188 80184
NAPA & Procainamide (Pronestyl)	2 ml serum or plasma Room temperature	GC/MS	Procainamide: 4-8 µg/ml NAPA: 12-25 µg/ml	82003 80192
NAPA (N-Acetyl- Procainamide)	1 ml serum or plasma Room temp	GC/MS	12-25 µg/ml	82003
Navane (Thiothixene)	3 ml serum or plasma Room temperature	GC/MS	10-30 ng/ml	82491
Nembutal (Pentobarbital)	2 ml serum or plasma Room temperature	GC/MS	1-5 µg/ml	82205
Neurontin (Gabapentin)	3 ml serum or plasma Room temperature	GC/MS	2.0 – 10.0 µg/ml	80299
Nickel (Ni), Blood	7 ml royal blue top tube (EDTA)	ICP-MS	20 - 180 µg/L	83885
Nickel (Ni), Urine	10 ml of well- mixed 24hr or random urine.	ICP-MS	<4 µg/L	83885
Nitrazepam (Mogadone) - Serum	2 ml serum or plasma Room temperature	GC-ECD	30-100 µg/ml	82491
Nitrazepam (Mogadone) - Urine	10 ml urine Room temp	GC/MS	N/A	82491

TEST LIST (eff. 08/09)

Nordiazepam, Blood	2 ml serum or plasma Room temp	GC/MS	N/A	80154
Nordiazepam, Urine	10 ml urine Room temp	GC/MS	N/A	82542
Norpace (Disopyramide)	1 ml serum or plasma Room temp	GC/MS	2.0-6.0 µg/ml	80299
Norpramin (Desipramine)	2 ml serum or plasma Room Temp	GC/MS	50-150 ng/ml	80160
Nortriptyline (Aventyl) -Serum	2 ml serum or plasma Room temperature	GC/MS	50-150 µg/ml	80182
Nortriptyline (Aventyl) -Urine	10 ml urine Room temp	GC/MS	N/A	80182
Nuprin (Ibuprofen)	2 ml serum or plasma Room temp	GC/MS	10-50 µg/ml	82491
Olanzapine (Zyprexa)	3 ml serum or plasma room temp	GC/MS	5.0-75.0 ng/ml	82491
Opiates Confirmation	10 ml Urine, Room temp	GC/MS	NA	80102
Organochlorine Pesticides, Serum: a-chlordane, g-chlordane, transnonachlor, heptachlor, heptachlorepoide, oxychlordane, DDT, DDD, DDE, HCB, g-BHC (lindane), b-BHC, dieldrin	5 ml Serum Tube (Plain Red Top) (Refrigerate)	GC/MS	(see components)	82441
Organophosphate Pesticide Screen (Metabolites), Urine: dimethylphosphate, dimethylthiophosphatdimethyldithiophospha diethylphosphate, diethylthiophosphatediethyldithiophosphate	25 ml Urine (Refrigerate)	GC/MS	none detected	82441
Oxazepam	10 ml Urine, Room temp	GC/MS	NA	82542
Oxazepam (Serax) - Serum	2 ml serum or plasma Room temp	GC/MS	200-500 ng/ml	80154
Oxycodone (Percodan)	10 ml Urine, Room temp	GC/MS	NA	83925
Oxymorphone (Numorphan)	10 ml Urine, Room temp	GC/MS	NA	83925

TEST LIST (eff. 08/09)

Pamelor (Nortriptyline)	2 ml serum or plasma Room temp	GC/MS	50-150 ng/ml	80182
Paroxetine (Paxil)	2 ml serum or plasma Room temp	GC/MS	20-200 ng/ml Actual range not established	80299
Paxipam (Halazepam)	2 ml serum or plasma room temp	GC/MS	Not established	80154
PCBs Total (Polychlorinated Biphenyls), Serum	4 ml Serum Full Red Top	GC/MS	<20 µg/L	82491
PCP (Phencyclidine) -Serum, Blood	2 ml serum, plasma or whole blood Room temp	GC/MS	N/A	83992
Peganone (Ethotoin)	1 ml serum or plasma Room temperature	GC/MS	8-20 µg/ml	82491
PEMA (Phenylethylmalonamide)	2 ml serum or plasma Room temp	GC/MS	1.5-10.0 µg/ml	82491
Pentobarbital, Urine	10 ml Urine, Room temp	GC/MS	NA	82542
Pentachlorophenol, Urine	15 ml Urine	GC/MS	<8.2 µg/L	82441
Pentobarbital (Nembutal)	2 ml serum or plasma Room Temp	GC/MS	1-5 µg/ml <50 for induced coma	82205
Pentothal (Thiopental) and metabolite	2 ml serum Room temp	GC/MS	Thiopental: 4-60 µg/ml Pentobarbital: 1-5 µg/ml	82205
Perchloroethylene Exposure, Blood & Urine: perchloroethylene, trichloroacetic acid	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate Both)	GC/MS	none detected	82441
Perchloroethylene Exposure, Blood: perchloroethylene, trichloroacetic acid	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS	none detected	82441
Perchloroethylene, Blood	2 x 7 ml Lavender Top Tubes Refrig	GC/MS	none detected	82441
Perphenazine (Trilafon)	3 ml serum or plasma Room temp PROTECT FROM LIGHT	GC/MS	5-30 ng/ml	84022

TEST LIST (eff. 08/09)

Phencyclidine (PCP) -Serum, Blood	2 ml serum, plasma or blood	GC/MS	N/A	82542
Phencyclidine Quant/Confirm, Urine	10 ml Urine, Room temp	GC/MS	NA	80102
Phenergan (Promethazine)	2 ml serum, plasma Room temp	GC/MS	5-150 µg/ml	82491
Phenobarbital -total	1 ml serum or plasma Room Temp	GC/MS	15-40 µg/ml	80184
Phenobarbital, Urine	10 ml Urine, Room temp	GC/MS	NA	82542
Phenol, Urine	25 ml Urine (Refrigerate)	GC/MS	<20 µg/g creatinine	82491
Phenothiazine, Screen - Serum, Plasma, Urine	5 ml serum, plasma, urine Room temp	GC/MS	N/A	80101 80102
Phentermine	10 ml Urine, Room temp	GC/MS	NA	82542
Phenylethylmalonamide (PEMA)	2 ml serum or plasma Room temp	GC/MS	1.5-10 mg/ml	82491
Phenylglyoxylic Acid, Urine	10 ml Urine (Refrigerate)	HPLC	none detected	83198
Phenylpropanolamine	10 ml Urine, Room temp	GC/MS	NA	82542
Phenytoin (Dilantin) -total	1 ml serum or plasma Room tmp	GC/MS	10-20 µg/ml	80185
Powder Analysis	Powder or residue	ICP/ GC/MS	N/A	80100
Prazepam (Centrax) (as Desmethyldiazepam)	2 ml serum or plasma Room temp	GC/MS	100-2200 ng/ml	80154
Primidone (Mysoline)	1 ml serum or plasma Room tmp	GC/MS	5-12 µg/ml	80188
Primidone (Mysoline) & Phenobarbital	1 ml serum or plasma RoomTemp	GC/MS	Primidone: 5-12 µg/ml Phenobarbital: 15-40 µg/ml	80188 80184
Procainamide (Pronestyl) & NAPA	1 ml serum or plasma Room temperature	GC/MS	Procainamide 4-8 µg/ml N-Acetylprocainamide: 12-25 µg/ml	80190 80192

TEST LIST (eff. 08/09)

Prochlorperazine (Compazine)	3 ml serum Room temp PROTECT FROM LIGHT	GC/MS	0.5-5.0 ng/ml	84022
Prolixin (Fluphenazine)	3 ml serum or plasma Room temperature	GC/MS	5-20 ng/ml 0.5-2.25 ng/ml, low dose	84022
Promazine (Sparine)	2 ml serum or plasma FREEZE	GC/MS	50-1000 ng/ml	84022
Promethazine (Phenergan)	2 ml serum, plasma Room tmp	GC/MS	5-150 µg/ml	82491
Pronestyl & NAPA (Procainamide)	1 ml serum Room temp	GC/MS	Procainamide: 4-8 µg/m NAPA: 12-25 µg/ml	80190 80192
Propoxyphene & Norpropoxyphene	10 ml Urine, Room temp	GC/MS	NA	83925 x2
Propoxyphene (Darvon) & Norpropoxyphene - Serum	3 ml serum or plasma Room temperature	GC/MS	Propoxyphene: 200-800 ng/ml Norpropoxyphene: 200-2200 ng/ml Total: 400-3000 ng/ml	82491
Propranolol (Inderal)	2 ml serum Room Temp	GC/MS	10-150 ng/ml	82491 80299
Protriptyline (Vivactyl)	2 ml serum or plasma Room temp	GC/MS	50-170 ng/ml	82491
Prozac (Fluoxetine) & Norfluoxetine	2 ml serum or plasma Room temp	GC/MS	Combined Total: 300-1150 ng/ml,	80299
Pseudoephedrine	10 ml Urine, Room temp	GC/MS	NA	82491
Quetiapine (Seroquel)	2 ml serum, plasma Room temperature	GC/MS	Not Established expect Concentrations of 100-1000 ng/ml	82491
Quinidine	1 ml serum or plasma Room temp	GC/MS	2-5 mg/ml	80194
Remeron (Mirtazapine)	3 ml serum, plasma Room temperature	GC/MS	Not Established. Expect Steady State concent of 4.0-40.0	82491

TEST LIST (eff. 08/09)

			ng/ml with recommended daily dosages	
Restoril (Temazepam)	2 ml serum or plasma Room tmp	GC/MS	50-1000 ng/ml	80154
Risperdal (Risperidone) and Hydroxyrisperidone	4 ml serum, plasma, Room tmp	HPLC	Resp: 10-60 ng/ml Hydrox: 10-60 ng/ml Combined total: 10-120 ng/ml	80299
Rohypnol-Urine Rohypnol-blood	10 ml urine 2 ml serum, room temp	GC/MS	Non detected	
Salicylates	1 ml serum or plasma Room temp	HPLC	20-250 µg/ml	80196
Secobarbital	10 ml Urine, Room temp	GC/MS	NA	82542
Secobarbital (Seconal) - Blood	2 ml serum or plasma Room temp	GC/MS	1-5 µg/ml	82205
Secobarbital, Urine	10 ml Urine Room temp	GC/MS	NA	82542
Selenium (Se), Blood	7 ml royal blue top tube (EDTA)	ICP-MS	20 - 200 µg/L	83789
Selenium (Se), Serum	1 ml Serum (no Hemolysis)	ICP-MS	30-200 µg/L	83789
Selenium (Se), Urine	10 ml of well-mixed 24hr or random urine.	ICP-MS	1-200 µg/L	84255
Serax (Oxazepam) - Serum	2 ml serum or plasma Room temperature	GC/MS	200-500 ng/ml	80154
Serax (Oxazepam) - Urine	10 ml urine Room temp	GC/MS	N/A	83945
Serentil (Mesoridazine)	2 ml serum or plasma Room temp	GC/MS	150-1000 ng/ml	84022
Seroquel (Quetiapine)	2 ml ser, plasma Room temp	GC/MS	Not Established expect Concentrations of 10-100 ng/ml	82491
Sertraline (Zoloft) & Desmethylsertraline	2 ml serum or plasma Room temp	GC/MS	30-200 ng/ml	80299

TEST LIST (eff. 08/09)

Silver (Ag), Blood	7 ml royal Blue Top Tube (EDTA)	ICP-MS	<2 µg/L	83018
Silver (Ag), Urine	10 ml of well-mixed 24hr or random urine	ICP-MS	<1.0 µg/L	82542
Sinequan (Doxepin) & Desmethyldoxepin	2 ml Whole Blood grey top	GC/MS	90-250 ng/ml	80166
Solvent Survey: Comprehensive Screen, Blood: perchloroethylene, trichloroethane TCE, benzene, EB toluene, xylene	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS HPLC	none detected	82544
Solvent Survey: Comp Screen, Blood& Urine: perchloroethylene, trichloroethane, trichloroethylene, trichloroacetic acid, benzene, ethylbenzen, toluene, xylene, o-cresol, hippuric acid, mandelic acid, methyl hippuric acid, phenol	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate Both)	GC/MS HPLC	(see components)	82544
Solvent Survey: CompScreen, Urine: trichloroacetic acid, o-cresol, hippuric acid, mandelic acid, methylhippuric acid, phenol	25 ml Urine (Refrigerate)	GC/MS HPLC	(see components)	82544
Soma (Carisoprodol) & Meprobamate	2 ml serum or plasma Room tmp	GC/MS	Meprobamate: 5-20 µg/ml Carisoprodol: <20 µg/ml	83805
Sparine (Promazine)	2 ml serum or plasma Room tmp	GC/MS	50-1000 ng/ml	84022
Stelazine (Trifluoperazine)	3 ml serum or plasma Room temp PROTECT FROM LIGHT	GC/MS	4-40 ng/ml	82491
Styrene Exposure, Blood & Urine: styrene, mandelic acid, phenylglyoxylic	2 x 7 ml Lavender Top 25 ml Urine (Refrigerate Both)	GC/MS	none detected	82491
Styrene, Whole Blood	2 x 7 ml Lavender Top Tubes Refrigerate	GC/MS	none detected	82491

TEST LIST (eff. 08/09)

Surmontil (Trimipramine)	2 ml serum or plasma Room temperature	GC/MS	50-300 ng/ml	82491
Symmetrel (Amantadine)	3 ml serum, plasma Room temperature	GC/MS	Not Established. Expect Steady State Conc of 200-1000 µg/ml with recommended daily dosages	82491
Syringe Analysis (Quantitative)	Syringe contents	HPLC GC/MS	N/A	N/A
Syringe analysis (Unknown)	Syringe contents	HPLC GC/MS	N/A	N/A
Tablet Analysis -Unknown	Tablet	HPLC GC/MS ICP-MS	N/A	80101
Tegretol (Carbamazepine) -Total	1 ml serum or plasma room temp	GC/MS	4-12 µg/ml	80156
Tegretol and Metabolite (Carbamazepine)	1 ml serum or plasma Room temperature	GC/MS	Carbamazepine: 4-12 µg/ml Carbamazepine Metabolite:0.4-4.0 µg/ml	80156 82157
Temazepam (Restoril)	2 ml serum or plasma Room temp	GC/MS	50-1000 ng/ml	80154
Temazepam, Urine	10 ml Urine, Room temp	GC/MS	NA	82542
Thallium (Tl), Urine	10 ml of well-mixed 24hr or random urine. Submitted in acid-washed container.	ICP-MS	<1 µg/L	84999
THC (Parent Drug) -Urine	10 ml urine Refrigerate	GC/MS	N/A	82542
THC + 9-Carboxy THC - Blood	3 ml serum, plasma, whole blood Refrigerate	GC/MS	N/A	80299
THC metabolite (Marijuana)	10 ml Urine, Room temp	GC/MS	NA	82542
Theo-Dur (Theophylline)	1 ml serum or plasma Room tmp	GC/MS	10-20 µg/ml	80198
Theophylline (Theo-Dur)	1 ml serum or plasma Room tmp	GC/MS	10-20 µg/ml	80198

TEST LIST (eff. 08/09)

Thiocyanate-Blood	2ml plasma grey top room tmp	GC/MS	1-4 µg/ml	84430
Thiocyanate-Urine	10 ml urine room temp	GC/MS	1-4 µg/ml	84430
Thiopental (Pentothal) And metabolite	2 ml serum or plasma Room tmp	GC/MS	Thiopental: 4- 60 µg/ml Pentobarbital: 1-5 µg/ml	82205
Thioridazine (Mellaril) & Mesoridazine	2 ml serum or plasma Room tmp	GC/MS	Thioridazine: 250-1250 ng/ml Mesoridazine:1 50-1000 ng/ml	84022
Thiothixene (Navane)	3 ml serum or plasma Room temp	GC/MS	10-30 ng/ml	82491
Thorazine (Chlorpromazine)	2 ml serum Room temp	GC/MS	50-500 ng/ml	84022
Tin (Sn), Urine	10 ml of well- mixed 24hr or random urine.	ICP-MS	<17 µg/ml	83789
Tofranil (Imipramine) & Desipramine	3 ml serum or plasma Room temperature	GC/MS	Combined total: 100-300 ng/ml, Desipramine: 50-150 ng/ml	80174 80160
Toluene Exposure, Blood & Urine: toluene, hippuric acid	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate Both)	GC/MS headspace	(see components)	82491
Toluene Metabolites, Urine: o-cresol, hippuric acid	25 ml Urine (Refrigerate)	HPLC	(see components)	82491
Toluene, Blood	2 x 7 ml Lavender Top TubesRefrigerate	GC/MS headspace	none detected	82491
Topiramate (Topamax)	2 ml serum, plasma Room temperature	GC/MS	Not established. Expected conce ntrations 2.0-25.0 µg/ml	80201
Tranxene (Clorazepate) As Desmethyldiazepam	2 ml serum or plasma Room tmp	HPLC	100-2200 ng/ml	80154
Trazodone (Desyrel)	2 ml serum or plasma Room temperature	GC/MS	800-1600 ng/ml	80299

TEST LIST (eff. 08/09)

Triavil (Etrafon) (as Amitriptyline Nortriptyline & Perphenazine)	3 ml serum or plasma Room temp PROTECT FROM LIGHT	GC/MS	Amitriptyline & Nortriptyline: 75-250 ng/ml Perphenazine: 5-30 ng/ml	80152 80182 84022
Trichloroacetic Acid, Blood or Urine	7 ml Lavender Top Tube or 10 ml Urine (Refrigerate)	GC/MS	none detected	83198
Trichloroethane, 1,1,1-, Exposure, Blood & Urine: trichloroethane, trichloroethanol, trichloroacetic acid	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate Both)	GC/MS	(see components)	82441
Trichloroethylene Exposure, Blood & Urine: trichloroethylene, trichloroethanol, trichloroacetic acid	2 x 7 ml Lavender Top Tubes & 25 ml Urine (Refrigerate Both)	GC/MS	(see components)	82441
Trichloroethylene Exposure, Blood: trichloroethylene, trichloroethanol, trichloroacetic acid	2 x 7 ml Lavender Top Tubes Refrigerate	GC/MS	(see components)	82441
Trichloroethylene, Whole Blood	2 x 7 ml Lavender Top Tubes (Refrigerate)	GC/MS	none detected	82441
Trichloropyridinol, 3,5,6- (Urine Metabolite of Chlorpyrifos)	25 ml Urine	GC-MS	<13 µg/L	82441
Trifluoperazine (Stelazine)	3 ml serum or plasma Room temperature PROTECT FROM LIGHT	HPLC GC/MS	4-40 ng/ml	82491
Trilafon (Perphenazine)	3 ml serum or plasma Room temp PROTECT FROM LIGHT	HPLC GC/MS	5-30 ng/ml	84022
Trileptal (Oxcarbazepine) as 10-hydroxy oxcarbazepine	1 ml serum or plasma Room temperature	GC/MS	10 Hydroxy oxcarbazepine: 10 - 35 µg/ml	82491
Trimipramine (Surmontil)	2 ml serum or plasma Room temperature	HPLC GC/MS	50-300 ng/ml	82491

TEST LIST (eff. 08/09)

Tylenol (Acetaminophen)	1 ml serum or plasma Room temp	GC/MS	10-20 µg/ml Toxic>150 ng/ml, 4 hour Post ingestion	82003
Uranium (U), Urine	10 ml of well-mixed 24hr or random urine	ICP-MS	<0.3 µg/L	84999
Valium (Diazepam) & Desmethyldiazepam	2 ml serum or plasma Room tmp	GC/MS	Combined total: 100-1500 ng/ml	80154
Valproic Acid (Depakene) - Total	1 ml serum or plasma Room tmp	GC/MS	50-100 µg/ml	80164 x2
Vanadium (V), Urine	10 ml of well-mixed 24hr or random urine	ICP-MS	<1.4 µg/L	83789
Venlafaxine (Effexor)	3 ml serum or plasma Room temp	HPLC GC/MS	Not established. Exp concentrations: Venlafaxine: 100-500 ng/ml Desmethylvenlafaxine: 200-400 ng/ml	82492
Verapamil and Norverapamil	2 ml serum and plasma Room temp	HPLC GC/MS	Verapamil: 100-600 ng/ml Norverapamil: 100-400 ng/ml	82492
Versed (Midazolam)	2 ml serum or plasma. Room tmp	GC/MS	50-600 ng/ml	80154
Vial analysis -unknown	Vial with contents	GC/MS HPLC	N/A	83925
Vistaril (hydroxyzine)	2 ml serum or plasma Room tmp	GC/MS	10-100 ng/ml	82491
Vivactyl (Protriptyline)	2 ml serum or plasma Room tmp	GC/MS	50-170 ng/ml	82491
Volatiles Screen	2 ml whole blood (NaF/oxalate) serum, plasma, urine. Room temp	GC/MS	N/A	84600
Wellbutrin (Bupropion) and Hydroxybupropion	2 ml serum or plasma Room temp	GC/MS	Bupropion: 50-100 ng/ml Hydroxybupropion: 600 - 200 ng/ml	80188

TEST LIST (eff. 08/09)

Xanax (Alprazolam)	2 ml serum or plasma Room temp	GC/MS	5-25 ng/ml	80154
Xylenes Exposure, Blood & Urine: xylenes, methylhippuric acids	2 x 7 ml Lav Top Tubes & 25 ml Urine Refrigerate Both)	GC/MS	(see components)	84291
Xylenes, Whole Blood	2 x 7 ml Lavender Top Tubes Refrigerate	GC/MS	none detected	84291
Xylocaine (Lidocaine) -total	1 ml serum or plasma Room temp	GC/MS	1.2-6.0 µg/ml	80176
Zarontin (Ethosuximide)	1 ml serum or plasma Room temp	GC/MS	40-100 µg/ml	80168
Zinc (Zn), Serum	1 ml Serum (no Hemolysis)	ICP-MS	600-1200 µg/L	84630
Zinc (Zn), Urine	10 ml of well-mixed 24hr or random urine	ICP-MS	300-1300 µg/L	84630
Zinc Protoporphyrins, Whole Blood	7 ml royal blue top tube (EDTA)	HPLC	15-36 mcg/dL	84202
Zoloft (Sertraline) & Desmethylsertraline	2 ml serum or plasma Room temp	HPLC GC/MS	30-200 ng/ml	80492
Zolpidem (Ambien)	3 ml serum, plasma Room temp	HPLC GC/MS	Up to 250 ng/ml	82491