

**DRUGS OF  
ABUSE**

**CROSS-REACTIVITY  
AND REACTANTS**

# DRUG CROSS REACTIVITY AND REACTANTS

## Overview

### OVERVIEW

Immunoassay-based screening methods provide high sensitivity but may be susceptible to specificity issues. Cross-reactivity of structurally similar substances may occur with immunoassay methodologies, potentially yielding false results. The attached contains potential cross-reactants with most immunoassay methodologies. This list is not all-inclusive. Other substances and technical or procedural factors may interfere with the test and cause false results. For the most current information about the testing methodology, refer to the package insert provided or contact the manufacturer directly.

All positive results from onsite drug testing are presumptive and should be confirmed by a laboratory using an alternative methodology such as Liquid Chromatography/Mass Spectrometry (LC/MS) or Gas Chromatography/Mass Spectrometry (GC/MS).

COMPOUND (Generic Name)	COMPOUND (Brand Name)	RESULTS
Abacavir	Ziagen	Non-reactive
Acamprosate	Campral	Non-reactive
Acetaminophen (See also Paracetamol)	Acephen, Aceta, Apacet, Dapacen, Excedrin (combination), Feverall, Panadol, Temptra, Tylenol	Non-reactive
Acetaminophen with Codeine (see also Paracetamol w/ codeine)	Tylenol 3, Tylenol with codeine	<b>Positive for Opiates (MOR, OPI)</b>
Acetic Acid	Ethanoic Acid	Non-reactive
Acetophenetidin	Phenacetin	Non-reactive
Acetylsalicylic acid	Anadin, Anasin, Aspirin, Bufferin, Caprin, Disprin, Ecotrin, Empirin, Excedrin	Non-reactive
Aciclovir	Zovirax	Non-reactive
Adinazolam	Deracyn	Non-reactive
Allobarbitol	No known trade names	<b>Positive for Barbiturates (BAR)</b>
Alphenol	No known trade names	<b>Positive for Barbiturates (BAR)</b>
Alprazolam	Xanax	<b>Positive for Benzodiazepines (BZO)</b>
Aluminum Chloride Hexahydrate	Anhydrol Forte Drichlor	Non-reactive
Aluminum Hydroxide	Alisone, Alu-Cap, Gastrocote, Kolanticon, Maalox, Maalox TC, Mucogel, Pyrogastrone, Topal	Non-reactive
Alverine Citrate	Spasmonal Spasmonal Fibre	Non-reactive
Aminopyrine	No known trade names	Non-reactive
Amitriptyline	Elavil, Lentizol, Triptafen, Triptafen-M, Tryptizol	<b>Positive for Tricyclic Antidepressants (TCA)</b>
Amlodipine	Caduet Norvasc, Norvasc	Non-reactive
Ammonia/Ipeacuanha	Ipecac	Non-reactive
Amobarbitol	Amytal, Tuinal	<b>Positive for Barbiturates (BAR)</b>
Amoxicillin or Amoxycillin	Amoram, Amoxil, Augmentin, Heliclear	Non-reactive
Ampicillin	Penbritin, Polycillin, Principen	Non-reactive
Amylmetacresol	Strepsils	Non-reactive
Anhydrol forte	No known trade names	Non-reactive
Antabuse	Disulfiram	Non-reactive
Antazoline Sulphate	Otrivine-Anistin	Non-reactive
Antipyrine	4-Dimethylaminoantipyrine	Non-reactive
Aprobarbitol	No known trade names	<b>Positive for Barbiturates (BAR)</b>
Aspirin	Angettes, ASA, Asasantin, Bayer Aspirin, Caprin, Excedrin	Non-reactive
Atenolol	Beta-adlat, Co-tenidone, Kalten, Tenben, Tenif, Tenoretic, Tenoret 50, Tenormin	Non-reactive
Beclometasone	AeroBec, AeroBec Forte, Asmabec, Beclazone, Becloforte, Becodisks, Beconase, Becotide, Fillair, Nasobec, Qvar, Ventide, Zonivent	Non-reactive
Azlocillin	Securopen	Non-reactive
Baclofen	Kemstro, Lioresal	Non-reactive
Barbital	No known trade names	<b>Positive for Barbiturates (BAR)</b>
Benzalkonium	Bradosol	Non-reactive
Bendrofluazide	Aprinox, Cogaretic, Inderex, Indertic, Neo-Naclax, Neo-Naclax-K, Prestim, Tenben	Non-reactive
Benzocaine	Americaine, Merocaine	Non-reactive

COMPOUND (Generic Name)	COMPOUND (Brand Name)	RESULTS
Benztropine	Cogentin	Non-reactive
Benzydamine	Difflam	<b>Positive for Benzodiazepines (BZO)</b>
Benzylpenicillin	Crystapen	Non-reactive
Bromazepam	Lexotan	<b>Positive for Benzodiazepines (BZO)</b>
Bromopheniramine	Dimetapp, Dimotane, Dimotapp	Non-reactive
Budesonide	Entocort, Pulmicort, Rhinocort	Non-reactive
Buprenorphine	Suboxone, Subutex, Temgesic	<b>Positive for Buprenorphine (BUP)</b>
Bupropion	Wellbutrin, Zyban	Non-reactive
Butabarbital	Butisol, Soneryl	<b>Positive for Barbiturates (BAR)</b>
Butalbital	Fioricet, Fiorinal	<b>Positive for Barbiturates (BAR)</b>
Butethal	No known trade names	<b>Positive for Barbiturates (BAR)</b>
Canestan	Canestan ear/skin/vaginitis/HC	Non-reactive
Carbamate	Pesticide	Non-reactive
Carbamazepine	Tegretol, Teril, Timonil	Non-reactive
Carisoprodol	Soma	Non-reactive
Celecoxib	Celebrex	Non-reactive
Cephalexin	Ceporex, Keflex	Non-reactive
Cetirizine	Zyrtec	Non-reactive
Cetylpyridinium	Cepacol mouth rinse	Non-reactive
Chloral Hydrate	Welldorm	Non-reactive
Chlorazepate	Tranxene	<b>Positive for Benzodiazepines (BZO)</b>
Chlordiazepoxide	Librium	<b>Positive for Benzodiazepines (BZO)</b>
Chlorhexidine Gluconate	Bactrigas, Chlorohex, Chlorohex, Cordsodyl CX Powder, Dermal, Hibicet, Hibiscrub, Hibisol, Hibitane, Instillagel, Naseptin, Nystaform, Serotulle, Steripod, Tisept, Unisept, Uriflex, Uro-Trainer	Non-reactive
Chloroform	No known trade names	Non-reactive
Chlorpheniramine Maleate	Galpseud, Haymine, Piriton	Non-reactive
Chlorpromazine\Cimetidine	Largactil, Dyspamet, Tagamet, Zita	Non-reactive
Cinnarizine	Stugeron	Non-reactive
Ciprofloxacin	Cipro	Non-reactive
Citalopram	Cipramil	Non-reactive
Clobazam	Frisium	<b>Positive for Benzodiazepines (BZO)</b>
Clofibrate	Atromid-S	Non-reactive
Clomethazole	Chlormethiazole, Heminevrin	Non-reactive
Clonazepam	Clonopin, Klonopin, Rivotril	<b>Positive for Benzodiazepines (BZO)</b>
Clotrimazole	Lotrimin, Lotrisone, Mycelex	Non-reactive
Clozapine	Clopine, Clozaril, Zaponex	Non-reactive
Co-Amoxiclav	Augmentin, Augmentin Duo	Non-reactive
Co-danthramar	Dantron	Non-reactive
Codeine Phosphate	Codafen, Continus, Codeine Linctus, Galcodine, Kapake, Migraleve, Pediatric BP, Solpadol, Tylex	<b>Positive for Opiates (MOR, OPI)</b>
Co-Fluampicil	Magnapen	Non-reactive
Combivir	Epivir	Non-reactive
Co-Phenotrope (atropine/diphenoxylate )	Lomotil, Trepergen	Non-reactive
Co-Trimoxazole	No known trade names	Non-reactive

COMPOUND (Generic Name)	COMPOUND (Brand Name)	RESULTS
Cyclobenzaprine	Flexeril	<b>Positive for Tricyclic Antidepressants (TCA)</b>
Cyclosporin	Neoral	Non-reactive
Cyprohetadine	Periactin	<b>Positive for Tricyclic Antidepressants (TCA)</b>
Cyproterone	Androcur, Cyprostat, Nioproxil, Progynova, Siterone	Non-reactive
d/l-Octopamine	No known trade names	Non-reactive
Dantrolene	No known trade names	Non-reactive
Delorazepam	Briantum	<b>Positive for Benzodiazepines (BZO)</b>
Dequalinium	Dequadin	Non-reactive
Desmopressin	DDAVP, Minirin, Stimate	Non-reactive
Dexamethasone	Decadron, Dexta-Rhinaspray Duo, Maxidex, Maxidrol, Minims, Otomize, Sofradex	Non-reactive
Dexamphetamine Sulphate	Adderall, Adderall XR, Dexedrine	<b>Positive for Amphetamine (AMP)</b>
Dextropropoxyphene	Co-proximal, Darvocet, Darvon	<b>Positive for Propoxyphene (PPX)</b>
Diazepam	Diazemuls, Stesolid, Valclair, Valium	<b>Positive for Benzodiazepines (BZO)</b>
Diclofenac Sodium	Dicloflex, Diclomax, Motifene, Volraman, Volsaid, Voltarol	Non-reactive
Dicyclomine	Kolanticon, Merbentyl	Non-reactive
Didanosine	Videx	Non-reactive
Dihydrocodeine	DHC Continus, Paramol, Remedeine, Remedeine Forte	<b>Positive for Opiates (MOR, OPI)</b>
Diltiazem	Cardizem, Dilacor, Tiazac	Non-reactive
Dimethicone	Asilone, Fancorsil	Non-reactive
Diphenoxylate with Atropine	Lomotil	Non-reactive
Diphenhydramine	Benadryl, Medinex, Nytol, Panadol Night	Non-reactive
d-Methamphetamine HCL	Desoxyn, Methamprex, Methedrine	<b>Positive for Methamphetamine (mAMP)</b>
Docusate Sodium	No known trade names	Non-reactive
Donepezil	Aricept	Non-reactive
Dopamine	Intropin	Non-reactive
Dothiepin	Prothiaden	<b>Positive for Tricyclic Antidepressants (TCA)</b>
Doxepin	Sinequan, Xepin	<b>Positive for Tricyclic Antidepressants (TCA)</b>
Doxycycline	Vibramycin, Vibramycin-D	Non-reactive
Doxylamine	Nyquil	<b>Positive for Methadone (MTD)</b>
Droperidol	Dridol, Droleptan, Inapsine	Non-reactive
Duloxetine	Cymbalta	Non-reactive
Efavirenz	Sustiva	<b>Positive for Cannabinoids (THC) Urinary metabolite(s); parent compound non-reactive</b>
Enoxaparin	Clexane, Lovenox	Non-reactive
Erythromycin	Arpimycin, Benzymycin, Erycane, Erymax, Erythrocin, Erythroped, Ilosone, Isotrexin, Lactobinate, Stiemycin	Non-reactive
Estazolam	ProSom	<b>Positive for Benzodiazepines (BZO)</b>
Ethambutol	Myambutol	Non-reactive
Ethylmorphine	No known trade names	<b>Positive for Opiates (MOR, OPI)</b>
Fenofibrate	Tricor	Non-reactive
Ferrous Fumarate	Iron	Non-reactive
Flucloxacillin	Co-fluampicil, Floxapen, Magnapen	Non-reactive

COMPOUND (Generic Name)	COMPOUND (Brand Name)	RESULTS
Flumazenil	Romazicon	Non-reactive
Flunitrazepam	Rohypnol	<b>Positive for Benzodiazepines (BZO)</b>
Fluoxetine	Prozac, Sarafem	Non-reactive
Flupentixol Decanoate	Depixol, Fluanxol	Non-reactive
Fluphenazine	Prolixin	Non-reactive
Flurazepam	Dalmane	Non-reactive
Folic Acid	No known trade names	Non-reactive
Fusidic Acid (Sodium Fusidate)	Fucibet, Fucidin, Fucithalamic	Non-reactive
Gamma-Hydroxybutyrate	GHB	Non-reactive
Gemfibrozil	Gemcor, Lipid	Non-reactive
Gentamicin Sulphate	Cidomycin, Genticin, Gentisone	Non-reactive
Gliclazide	Diamicron, Dianorm	Non-reactive
Halazepam	Alapryl, Pacinone, Paxipam	<b>Positive for Benzodiazepines (BZO)</b>
Haloperidol	Haldol	Non-reactive
Hepatitis B Vaccine	No known trade names	Non-reactive
Hydrochlorothiazide	Hyzaar, Losartan	Non-reactive
Hydrocodone	Loratab, Lorcet, Vicodin	<b>Positive for Opiates (MOR, OPI) and/or Oxycodone (OXY)</b>
Hydrocortisone-17-butyrate	Locoid, Locoid C	Non-reactive
Hydrocortisone		Non-reactive
Hydromorphone	Dilaudid, Hydrostat	<b>Positive for Opiates (MOR, OPI) and/or Oxycodone (OXY)</b>
Hydroxocobalamin	Vitamin B-12	Non-reactive
Hydroxychloroquine	Plaquenil	Non-reactive
Hydroxyzine Atarax, Ucerax		Non-reactive
Hyoscine butylbromide	Buscopan, Scopoderm	Non-reactive
Ibuprofen	Brufen, Codafen, Fenbid, Ibugel, Ibuspray, Motrin, Proflex	Non-reactive
Indomethacin	Flexin continus, Indocid, Indomod	Non-reactive
Interferon Alfa	Intron A, Roferon-A, Viraferon, Wellferon	Non-reactive
Isoniazide	INH	Non-reactive
Isosorbide Dinitrate	Angitak, Cedocard, Isocard, Isoket, Isordil, Sorbichew, Sorbid SA, Sorbitrate	Non-reactive
Ketoprofen	Orudis, Oruvail, Powergel	Non-reactive
Koalin and Morphine Mixture	Diocalm, Entersan, Opazimes	<b>Positive for Opiates (MOR, OPI)</b>
Lactulose	Duphalec, Lactugal	Non-reactive
Lamotrigine	Lamital	<b>Positive for Phencyclidine (PCP)</b>
Lansoprazole	Heliclear, Zoton	Non-reactive
Lisinopril	Carace, Zestril, Zestoretic	Non-reactive
l-Methamphetamine HCL	Vick's Inhaler	<b>Positive for Methamphetamine (mAMP)</b>
Lofepramine	Gamanil, Zestoretic	<b>Positive for Tricyclic Antidepressants (TCA)</b>
Lofexidine	Britoflex	Non-reactive
Loperamide	Imodium, Loperagen, Norimide	Non-reactive
Loratadine	Claritin	Non-reactive
Lorazepam	Ativan	<b>Positive for Benzodiazepines (BZO)</b>
Lormetazepam	Noctamide	<b>Positive for Benzodiazepines (BZO)</b>
Mannitol	Gaviscon	Non-reactive

COMPOUND (Generic Name)	COMPOUND (Brand Name)	RESULTS
Medazepam	Anxitol, Lerisum, Medacepan, Nobritol, Nobrium	<b>Positive for Benzodiazepines (BZO)</b>
Magnesium Alginate	Gaviscon	Non-reactive
Mefenamic Acid	Ponstan, Ponstel	Non-reactive
Meperidine	Demerol, Pethidine	Non-reactive
Metamizole	Novalgin	Non-reactive
Methadone Hydrochloride	Dolophine, Methadose, Physetone	<b>Positive for Methadone (MTD)</b>
Methotrexate	Amethopterin	Non-reactive
Methylenedioxyamphetamine (MDA)	Eve (slang), Love Drug (slang)	<b>Positive for Amphetamine (AMP) and Ecstasy (MDMA)</b>
Methylenedioxymethamphetamine (MDMA)	Adam (slang), E (slang), Ecstasy (slang), XTC (slang)	<b>Positive for Methamphetamine (mAMP) and Ecstasy (MDMA)</b>
Metronidazole	Anabact, Elyzol, Flagyl, Metrogel, Metrolyl, Metrotop, Neuratop, Noritate, Rozex, Zidoval, Zymoet	Non-reactive
Midodrine	Amatine/Proamatine, Gutron	Non-reactive
Mirtazepine	Avanza, Remeron, Soltab, Zispin	Non-reactive
Morphine	Astramorph, Cyclimorph, Duramorph, Morcap, Morphine Sulfate, MS Contin, Oramorph, Roxanol, Severedol	<b>Positive for Opiates (MOR, OPI)</b>
Moxonidine	Inn	Non-reactive
Nabumetone	Relafen	Non-reactive
Nadolol	Corgard, Corgarectic, Corgartic	Non-reactive
Nalbuphine	Nubain	Non-reactive
Naloxone	Narcan	Non-reactive
Naltrexone	Antaxone Nalorex Trexan	Non-reactive
Naproxen	Aleve, Condrotec, Napratec, Naprosen, Naprosyn, Nycopren, Synflex	Non-reactive
Nefazodone	Nefadar, Serzone	Non-reactive
Nefopam	Acupan	Non-reactive
Niaspan	Niacin	Non-reactive
Nicorandil	Ikorel	Non-reactive
Nicotine	Nicoderm, Nicorette, Nicotinell, Nicotrol, Niquitin	Non-reactive
Nifedipine	Adalat, Nifar, Nifecard, Nif-ten, Procardia	Non-reactive
Nitrazepam	Mogadon, Somnite	<b>Positive for Benzodiazepines (BZO)</b>
Norethindrone	BiNovum, Brevinor, Climagest, Climesse, Elleste Duet, Estracombi, Evorel, Kliefem, Kliovance, Loestrin, Micronor, Noriday, Norimin, Norinyl, Noristat, Norlutin, Nuvelle, Ovysmen, TriNovum, Trisquens, Utovian	Non-reactive
Noscapine	Narcotine	Non-reactive
Olanzapine	Zyprexa	Non-reactive
Omeprazole	Prilosec	Non-reactive
Orphenadrine	Disipil, Norflex, Norgesic	Non-reactive
Oxazepam	Ox-pam, Serax	<b>Positive for Benzodiazepines (BZO)</b>
Oxymetazoline	Afrin, Neo-synephrine	Non-reactive
Oxytetracycline	Terra-Cortil, Terramycin, Trimovate	Non-reactive
Paracetamol (Acetaminophen)	Fortagesic, Paradote	Non-reactive

COMPOUND (Generic Name)	COMPOUND (Brand Name)	RESULTS
Paracetamol (Acetaminophen) / Codeine Preparations	Co-codamol, Codafen, Co-dydramol, Kapake, Remedine, Solpadol, Tylenol 3	<b>Positive for Opiates (MOR, OPI)</b>
Paroxetine	Paxil, Seroxat	Non-reactive
Penicillin	Combicillin, Mefoxin	Non-reactive
Pentobarbital	Nembutal	<b>Positive for Barbiturates (BAR)</b>
Phenobarbitone (see also Phenobarbital)	Luminal	<b>Positive for Barbiturates (BAR)</b>
Pericyazine	Amplan, Aolept, Apamin, Iryakin, Nemactil, Neulactil, Propetyl, Psycholept	Amplan, Aolept, Apamin, Iryakin, Nemactil, Neulactil, Propetyl, Psycholept
Prazepam	Centrax, Demetrix	<b>Positive for Benzodiazepines (BZO)</b>
Phenytoin	Dilantin, Epanutin, Epitard	<b>Potential Positive for Barbiturates (BAR)</b> <b>Urinary metabolite(s) only; parent compound is non-reactive</b>
Pholcodine	Galenphol, Pavacol-D, Strong BP, Thebacon	<b>Positive for Opiates (MOR, OPI)</b>
Piperacillin	Pipracil, Tazobactam	Non-reactive
Prednisolone	Delta-cortef, Econopred, Inflamase, Pediapred, Prelone	Non-reactive
Procaine	Novocain	Non-reactive
Progesterol	No known trade names	Non-reactive
Promethazine	Allerfen, Anergan, Antinaus, Aprobit, Avomine, Baymethazine, Diprozin, Fenegan, Methazine, Pamagren 100, Phenergen	<b>Positive for Tricyclic Antidepressants (TCA)</b>
Propranolol	Beta-Progane, Inderal, Inderetic, Inderex	Non-reactive
Pseudoephedrine	Afrinol, Expulin, Sudafed, Tylenol Cold (combination)	Non-reactive
Ranitidine	Pylorid, Zantac	<b>Positive for Methamphetamine (M-AMP)</b> <b>Urinary metabolite(s) only; parent compound is non-reactive</b>
Risperidone	Risperdal	Non-reactive
Salbutamol	Aerocrom, Aerolin, Airomir, Asmasal, Combivent, Duovent, Venotlin, Ventide, Ventodisks, Volmax	Non-reactive
Secobarbital	Seconal	<b>Positive for Barbiturates (BAR)</b>
Senosides	Senokot	Non-reactive
Sertraline	Zoloft	<b>Potential Positive for Benzodiazepines (BZO)</b>
Sodium Valproate	Depakene, Depakote, Epilim	Non-reactive
Temazepam	Restoril	<b>Positive for Benzodiazepines (BZO)</b>
Testosterone	Andropatch, Restandol, slang name "anabolic steroids," Sustanon, Virormone	Non-reactive
Thioridazine	Mellaril	Non-reactive
Thyroxine Sodium	Eltroxin	Non-reactive
Tramadol	Tramake, Ultram, Zamadol, Zydol	Non-reactive
Trazodone	Desyrel, Molipaxin, Trialodine	Non-reactive
Triazolam	Halcion	<b>Positive for Benzodiazepines (BZO)</b>
Valporic Acid	Depakene	Non-reactive
Venlafaxine	Effexor, Effexor XL	<b>Potential Positive for Phencyclidine (PCP)</b>
Warfarin Sodium	Coumadin, Marevan	Non-reactive



