

# Cross-Reaction Guide

+

FOR USE WITH ALERE URINE DRUG SCREENING DEVICES

## Contents

Overview	1
Cross-Reaction Drug List	2-13
Confirmation Reference for Positive Results	14-19



Toxicology

## Immunoassay Screening and Cross-Reactants 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.

Immunoassay manufacturers test for common, potential, interfering substances and list those results in package inserts; however, testing every compound is not feasible. High doses of a single drug or concurrent dosing of multiple drugs may significantly influence urine immunoassay results. These clinical scenarios are difficult to replicate in a bench setting during the immunoassay development process and, as such, may only become known once the assay is introduced to the market.

The attached contains potential reactants and cross-reactants with most immunoassay methodologies. This list is not all-inclusive. Other substances and/or technical or procedural factors may interfere with the test and cause false results. For the most current information relative to the immunoassay testing methodology utilized at your facility, refer to the package insert provided by the manufacturer of your kits or contact the manufacturer directly.

*All positive results from rapid drug test devices are presumptive and should be confirmed by a laboratory using an alternative methodology such as liquid chromatography/tandem mass spectrometry (LC/MS/MS) or gas chromatography/mass spectrometry (GC/MS).*

---

ABBREVIATIONS: Amphetamine (AMP1000 or AMP300), Barbiturates (BAR), Benzodiazepines (BZO), Buprenorphine (BUP), Cocaine Metabolites (COC), Marijuana (THC), MDMA (Ecstasy), Methadone (MTD), Methamphetamine (M-AMP), Opiates (OPI), Oxycodone (OXY), Phencyclidine (PCP), Propoxyphene (PPX) and Tricyclic Antidepressants (TCA).

### HELPING YOU MAKE INFORMED DECISIONS ABOUT ABUSE. +

**ALERE TOXLINK ONLINE:** Search our drug databases to learn more about drug cross-reactions, how to identify the most widely used drugs of abuse, and our products that test for them: [www.aleretoxicology.com/toxlink](http://www.aleretoxicology.com/toxlink).

# Complete Cross Reaction Drug List +

List of structurally similar substances that potentially yield false results on an immunoassay based test (*listed alphabetically by drug name*).

DRUG NAME	COMMON DRUG NAME	RESULTS
Abacavir	Ziagen®	Nonreactive
Acamprosate	Campral®	Nonreactive
Acetaminophen (see also Paracetamol)	Acephen®, Aceta®, Apacet®, Dapacen®, Excedrin® (combination), Fe-verall®, Panadol®, Temptra®, Tylenol®	Nonreactive
Acetaminophen with codeine (see also Paracetamol with codeine)	Tylenol® 3, Tylenol® with codeine	Positive for MOR, OPI
Acetic acid	Ethanoic acid	Nonreactive
Acetophenetidin	Phenacetin®	Nonreactive
Acetylsalicylic acid	Anadin®, Anacin®, Aspirin®, Bufferin®, Caprin®, Disprin®, Ecotrin®, Empirin®, Excedrin® (combination)	Nonreactive
Aciclovir	Zovirax®	Nonreactive
Adinazolam	Deracyn®	Nonreactive
Allobarbitol	No known trade names	Positive for BAR
Alphenol	No known trade names	Positive for BAR
Alprazolam	Xanax®	Positive for BZO
Aluminum chloride hexahydrate	Anhydrol Forte®, Drichlor®	Nonreactive
Aluminum hydroxide	Alisone®, Alu-Cap®, Gastrocote®, Kolanticon®, Maalox®, Maalox TC®, Mucogel®, Pyrogastrone®, Topal®	Nonreactive
Alverine citrate	Spasmonal®, Spasmonal Fibre®	Nonreactive
Aminopyrine	No known trade names	Nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Amitriptyline	Elavil®, Lentizol®, Triptafen®, Triptafen-M®, Tryptizol®	Positive for TCA
Amlodipine	Caduet®, Norvasc®	Nonreactive
Ammonia/Ipecacuanha	Ipecac®	Nonreactive
Amobarbital	Amytal®, Tuinal®	Positive for BAR
Amoxicillin or amoxicillin	Amoram®, Amoxil®, Augmentin®	Nonreactive
Amoxicillin or moxycillin	Heliclear®	Nonreactive
Ampicillin	Penbritin®, Polycillin®, Principen®	Nonreactive
Amylmetacresol	Strepsils®	Nonreactive
Anhydrol forte	No known trade names	Nonreactive
Antazoline sulphate	Otrivine-Antistin®	Nonreactive
Antipyrine	4-Dimethylaminoantipyrine	Nonreactive
Aripiprazole	Abilify®	Nonreactive
Aprobarbital	No known trade names	Positive for BAR
Aspirin	Angettes®, ASA®, Asasantin®, Bayer Aspirin®, Caprin®, Excedrin®	Nonreactive
Atenolol	Beta-Adalat®, Co-tenidone®, Kaltent®, Tenben®, Tenif®, Tenoretic®, Tenoret 50®, Tenormin®	Nonreactive
Atorvastatin	Lipitor®	Nonreactive
Azlocillin	Securopen®	Nonreactive
Baclofen	Kemstro®, Lioresal®	Nonreactive
Barbital	No known trade names	Positive for BAR
Beclomethasone	AeroBec®, AeroBec Forte®, Asmabec®, Beclazone®, Becloforte®, Becodisks®, Beconase®, Becotide®, Fillair®, Nasobec®, Qvar®, Ventide®, Zonivent®	Nonreactive
Bendrofluazide	Aprinox®, Cogaretic®, Inderex®, Inderitic®, Neo-Naclex®, Neo-Naclex-K®, Prestim®, Tenben®	Nonreactive
Benzalkonium	Bradosol®	Nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Benzocaine	Americaine <sup>®</sup> , Merocaine <sup>®</sup>	Nonreactive
Benzonatate	Tessalon <sup>®</sup> , Exangit <sup>®</sup> , Ventussin <sup>®</sup>	Nonreactive
Benztropine	Cogentin <sup>®</sup>	Nonreactive
Benzydamine	Difflam <sup>®</sup>	Positive for BZO (200 ng/mL)
Benzylpenicillin	Crystapen <sup>®</sup>	Nonreactive
Bromazepam	Lexotan <sup>®</sup>	Positive for BZO
Bromopheniramine	Dimetapp <sup>®</sup> , Dimotane <sup>®</sup>	Nonreactive
Budesonide	Entocort <sup>®</sup> , Pulmicort <sup>®</sup> , Rhinocort <sup>®</sup>	Nonreactive
Buprenorphine	Suboxone <sup>®</sup> , Subutex <sup>®</sup> , Temgesic <sup>®</sup>	Positive for BUP
Bupropion	Wellbutrin <sup>®</sup> , Zyban <sup>®</sup>	Nonreactive
Butabarbital	Butisol <sup>®</sup> , Soneryl <sup>®</sup>	Positive for BAR
Butalbital	Fioricet <sup>®</sup> , Fiorinal <sup>®</sup>	Positive for BAR
Butethal	No known trade names	Positive for BAR
Butorphanol	Stabul <sup>®</sup>	Nonreactive
Canestan	Canesten ear/skin/vaginitis/HC <sup>®</sup>	Nonreactive
Carbamate	Pesticide	Nonreactive
Carbamazepine	Tegretol <sup>®</sup> , Teril <sup>®</sup> , Timonil <sup>®</sup>	Nonreactive
Carisoprodol	Soma <sup>®</sup>	Nonreactive
Celecoxib	Celebrex <sup>®</sup>	Nonreactive
Cephalexin	Ceporex <sup>®</sup> , Keflex <sup>®</sup>	Nonreactive
Cetirizine	Zyrtec <sup>®</sup>	Nonreactive
Cetylpyridinium	Cepacol <sup>®</sup> mouth rinse	Nonreactive
Chloral Hydrate	Welldorm <sup>®</sup>	Nonreactive
Chlordiazepoxide	Librium <sup>®</sup>	Positive for BZO
Chlorhexidine gluconate	Bactrigas <sup>®</sup> , Chlorohex <sup>®</sup> , Corsodyl <sup>®</sup> , CX Powder <sup>®</sup> , DermoJ <sup>®</sup> , Hibicet <sup>®</sup> , Hibiscrub <sup>®</sup> , Hibisol <sup>®</sup> , Hibitane <sup>®</sup> , Instillagel <sup>®</sup> , Naseptin <sup>®</sup> , Nystaform <sup>®</sup> , Serotulle <sup>®</sup> , Steripod <sup>®</sup> , Tisept <sup>®</sup> , Unisept <sup>®</sup> , Uriflex <sup>®</sup> , Uro-Trainer <sup>®</sup>	Nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Chloroform	No known trade names	Nonreactive
Chlorpheniramine maleate	Galpseud <sup>®</sup> , Haymine <sup>®</sup> , Piriton <sup>®</sup>	Nonreactive
Chlorpromazine	Largactil <sup>®</sup>	Nonreactive
Chlorprothixene	Cloxan <sup>®</sup> , Fluanxol <sup>®</sup> , Taractan <sup>®</sup> , Truxal <sup>®</sup>	Nonreactive
Cimetidine	Dyspamet <sup>®</sup> , Tagamet <sup>®</sup> , Zita <sup>®</sup>	Nonreactive
Cinnarizine	Stugeron <sup>®</sup>	Nonreactive
Ciprofloxacin	Cipro <sup>®</sup>	Nonreactive
Citalopram	Cipramil <sup>®</sup>	Nonreactive
Clobazam	Frisium <sup>®</sup>	Positive for BZO
Clofibrate	Atromid-S <sup>®</sup>	Nonreactive
Clomethiazole	chlormethiazole, Heminevrin <sup>®</sup>	Nonreactive
Clonazepam	Klonopin <sup>®</sup> , Rivotril <sup>®</sup>	Positive for BZO
Clorazepate	Tranxene <sup>®</sup>	Positive for BZO
Clotrimazole	Lotrimin <sup>®</sup> , Lotrisone <sup>®</sup> , Mycelex <sup>®</sup>	Nonreactive
Clozapine	Clopine <sup>®</sup> , Clozaril <sup>®</sup> , Zaponex <sup>®</sup>	Nonreactive
Co-Amoxiclav	Augmentin <sup>®</sup> , Augmentin Duo <sup>®</sup>	Nonreactive
Co-danthramer	Dantron <sup>®</sup>	Nonreactive
Co-Fluampicil	Magnapen <sup>®</sup>	Nonreactive
Co-Phenotrope (atropine/diphenoxylate)	Lomotil <sup>®</sup> , Trepergen <sup>®</sup>	Nonreactive
Co-Trimoxazole	No known trade names	Nonreactive
Codeine phosphate	Codafen Continus <sup>®</sup> , Codeine Linctus <sup>®</sup> , Galcodine <sup>®</sup> , Kapake <sup>®</sup> , Migraleve <sup>®</sup> , Pediatric BP <sup>®</sup> , Solpadol <sup>®</sup> , Tylex <sup>®</sup>	Positive for MOR, OPI
Combivir	Epivir <sup>®</sup>	Nonreactive
Cyclobenzaprine	Flexeril <sup>®</sup>	Positive for TCA
Cyclosporine	Neoral <sup>®</sup>	Nonreactive
Cyproheptadine	Periactin <sup>®</sup>	Positive for TCA

DRUG NAME	COMMON DRUG NAME	RESULTS
Cyproterone	Androcur <sup>®</sup> , Cyprostat <sup>®</sup> , Nioproxil <sup>®</sup> , Progynova <sup>®</sup> , Siterone <sup>®</sup>	Nonreactive
D-Methamphetamine HCL	Desoxyn <sup>®</sup> , Methamprex <sup>®</sup> , Methedrine <sup>®</sup>	Positive for mAMP
Dantrolene	No known trade names	Nonreactive
Delorazepam	Briantum <sup>®</sup>	Positive for BZO
Dequalinium	Dequadin <sup>®</sup>	Nonreactive
Desmopressin	DDAVP <sup>®</sup> , Minirin <sup>®</sup> , Stimate <sup>®</sup>	Nonreactive
Dexamethasone	Decadron <sup>®</sup> , Dexa-Rhinaspray Duo <sup>®</sup> , Maxidex <sup>®</sup> , Maxidrol <sup>®</sup> , Minims <sup>®</sup> , Otomize <sup>®</sup> , Sofradex <sup>®</sup>	Nonreactive
Dexamphetamine sulphate	Adderall <sup>®</sup> , Adderall XR <sup>®</sup> , Dexedrine <sup>®</sup>	Positive for AMP
Dextropropoxyphene	Co-proxamol <sup>®</sup> , Darvocet <sup>®</sup> , Darvon <sup>®</sup>	Positive for PPX
Diazepam	Diazemuls <sup>®</sup> , Stesolid <sup>®</sup> , Valclair <sup>®</sup> , Valium <sup>®</sup>	Positive for BZO
Diclofenac sodium	DicloFlex <sup>®</sup> , Diclomax <sup>®</sup> , Motifene <sup>®</sup> , Volraman <sup>®</sup> , Volsaid <sup>®</sup> , Voltarol <sup>®</sup>	Nonreactive
Dicyclomine	Kolanticon <sup>®</sup> , Merbentyl <sup>®</sup>	Nonreactive
Didanosine	Videx <sup>®</sup>	Nonreactive
Dihydrocodeine	DHC Continus <sup>®</sup> , Paramol <sup>®</sup> , Remedeine <sup>®</sup> , Remedeine Forte <sup>®</sup>	Positive for MOR, OPI; negative for OXY
Diltiazem	Cardizem <sup>®</sup> , Dilacor <sup>®</sup> , Tiazac <sup>®</sup>	Nonreactive
Dimethicone	Asilone <sup>®</sup> , Fancorsil <sup>®</sup>	Nonreactive
Diphenoxylate with atropine	Lomotil <sup>®</sup>	Nonreactive
Diphenhydramine	Benadryl <sup>®</sup> , Medinex <sup>®</sup> , Nytol <sup>®</sup> , Panadol Night <sup>®</sup>	Nonreactive
Disulfiram	Antabuse <sup>®</sup>	Nonreactive
DL-Octopamine	No known trade names	Nonreactive
Docusate Sodium	No known trade names	Nonreactive
Donepezil	Aricept <sup>®</sup>	Nonreactive
Dopamine	Intropin <sup>®</sup>	Nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Dothiepin	Prothiaden <sup>®</sup>	Positive for TCA
Doxepin	Sinequan <sup>®</sup> , Xepin <sup>®</sup>	Positive for TCA
Doxycycline	Vibramycin <sup>®</sup> , Vibramycin-D <sup>®</sup>	Nonreactive
Doxylamine	Nyquil <sup>®</sup>	Positive for MTD
Droperidol	Dridol <sup>®</sup> , Droleptan <sup>®</sup> , Inapsine <sup>®</sup>	Nonreactive
Duloxetine	Cymbalta <sup>®</sup>	Nonreactive
Efavirenz	Sustiva <sup>®</sup>	Positive for THC urinary metabolite(s) only; parent compound is nonreactive
Enoxaparin	Clexane <sup>®</sup> , Lovenox <sup>®</sup>	Nonreactive
Erythromycin	Arpimycin <sup>®</sup> , Benzamycin <sup>®</sup> , Erycane <sup>®</sup> , Erymax <sup>®</sup> , Erythrocin <sup>®</sup> , Erythroped <sup>®</sup> , Ilosone <sup>®</sup> , Isotrexin <sup>®</sup> , Lactobinate <sup>®</sup> , Stiemycin <sup>®</sup> , Tiloryth <sup>®</sup> , Zineryt <sup>®</sup>	Nonreactive
Estazolam	ProSom <sup>®</sup>	Positive for BZO
Ethambutol	Myambutol <sup>®</sup>	Nonreactive
Ethylmorphine	No known trade names	Positive for MOR, OPI
Fenofibrate	Tricor <sup>®</sup>	Nonreactive
Ferrous fumarate	Iron	Nonreactive
Flucloxacillin	Co-fluampicil <sup>®</sup> , Floxapen <sup>®</sup> , Magnapen <sup>®</sup>	Nonreactive
Flumazenil	Romazicon <sup>®</sup>	Nonreactive
Flunitrazepam	Rohypnol <sup>®</sup>	Positive for BZO
Fluoxetine	Prozac <sup>®</sup> , Sarafem <sup>®</sup>	Nonreactive
Flupentixol decanoate	Depixol <sup>®</sup> , Fluanxol <sup>®</sup>	Nonreactive
Fluphenazine	Prolixin <sup>®</sup>	Nonreactive
Flurazepam	Dalmane <sup>®</sup>	Nonreactive
Folic acid	No known trade names	Nonreactive
Fusidic acid (sodium fusidate)	Fucibet <sup>®</sup> , Fucidin <sup>®</sup> , Fucithalmic <sup>®</sup>	Nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Gamma-hydroxy-butyrate	GHB®	Nonreactive
Gemfibrozil	Gemcor®, Lopid®	Nonreactive
Gentamicin sulphate	Cidomycin®, Genticin®, Gentisone®	Nonreactive
Gliclazide	Diamicon®, Dianorm®	Nonreactive
Halazepam	Alapryl®, Pacinone®, Paxipam®	Positive for BZO
Haloperidol	Haldol®	Nonreactive
Hepatitis B vaccine	No known trade names	Nonreactive
Hydrochlorothiazide	Hyzaar®, Losartan®	Nonreactive
Hydrocodone	Loratab®, Lorcet®, Vicodin®	Positive for MOR, OPI and/or OXY
Hydrocortisone	Actinac®, Alphaderm®, Alphosyl-HC®, Anugesic-HC®, Anusol-HC®, Calmurid-HC®, Canesten-HC®, Colifoam®, Daktacort®, Dioderm®, Econacort®, Efcortisol®, Efcortelan®, Eurax-HC®, Gregoderm®, Hydrocortistab®, Hydrocortone®, Mildison lipocream®, Neo-Cortef®, Nystaform®, Perinal®, Proctofoam®, Quinocort®, Terra-cortil®, Timodine®, Uniroid-HC®, Vioform-HC®, Xyloproct®	Nonreactive
Hydrocortisone-17-butyrate	Locoid®, Locoid C®	Nonreactive
Hydromorphone	Dilaudid®, Hydrostat®	Positive for MOR, OPI and/or OXY
Hydroxocobalamin	Vitamin B12	Nonreactive
Hydroxychloroquine	Plaquenil®	Nonreactive
Hydroxyzine	Atarax®, Ucerax®	Nonreactive
Hyoscine butylbromide	Buscopan®, Scopoderm®	Nonreactive
Ibuprofen	Brufen®, Codafen®, Fenbid®, Ibugel®, Ibuspray®, Motrin®, Proflex®	Nonreactive
Indomethacin	Flexin continuus®, Indocid®, Indomod®	Nonreactive
Interferon alfa	Intron A®, Roferon-A®, Viraferon®, Wellferon®	Nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Isoniazide	INH®	Nonreactive
Isosorbide dinitrate	Angitak®, Cedocard®, Isocard®, Isoket®, Isordil®, Sorbichew®, Sorbid SA®, Sorbitrate®	Nonreactive
Ketoprofen	Orudis®, Oruvail®, Powergel®	Nonreactive
Koalin and morphine mixture	Diocalm®, Entersan®, Opazimes®	Positive for MOR, OPI
l-Methamphetamine HCL	Vick's Inhaler®	Positive for mAMP
Lactulose	Duphalac®, Lactugal®	Nonreactive
Lamotrigine	Lamictal®	Potential positive for PCP and/or THC
Lansoprazole	Heliclear®, Zoton®	Nonreactive
Lisinopril	Carace®, Zestril®, Zestoretic®	Nonreactive
Lofepamine	Gamanil®, Lomont®	Positive for TCA
Lofexidine	BritLofex®	Nonreactive
Loperamide	Imodium®, Loperagen®, Norimode®	Nonreactive
Loratadine	Claritin®	Nonreactive
Lorazepam	Ativan®	Positive for BZO
Lormetazepam	Noctamid®	Positive for BZO
Magnesium alginate	Gaviscon®	Nonreactive
Mannitol	Gaviscon®	Nonreactive
MDMA	Adam (slang), E (slang), Ecstasy (slang), XTC (slang)	Positive for mAMP and MDMA
Medazepam	Anxiitol®, Lerisum®, Medacepan®, Nobritol®, Nobrium®	Positive for BZO
Mefenamic acid	Ponstan®, Ponstel®	Nonreactive
Meperidine	Demerol®, Pethidine®	Nonreactive
Metamizole	Novalgin®	Nonreactive
Methadone hydrochloride	Dolophine®, Methadose®, Phytetone®	MTD

DRUG NAME	COMMON DRUG NAME	RESULTS
Methotrexate	Amethopterin®	Nonreactive
Methylenedioxyamphet-amine (MDA)	Eve (slang), Love Drug (slang)	Positive for AMP and MDMA
Methylenedioxypyrova-lerone	Bath salts (slang)	Nonreactive
Metoclopramide	Reglan®	Nonreactive
Metronidazole	Anabact®, Elyzol®, Flagyl®, Metrogel®, Metrogyl®, Metrotop®, Neuratop®, Noritate®, Rozex®, Zidoval®, Zymoet®	Nonreactive
Midodrine	Amatine®, Gutron®, Proamatine®	Nonreactive
Mirtazapine	Avanza®, Remeron®, SolTab®, Zispin®	Nonreactive
Morphine	Astramorph®, Cyclimorph®, Duramorph®, Morcap®, Morphine Sulfate, MS Contin®, Oramorph®, Roxanol®, Sevredol®	Positive for MOR, OPI
Moxonidine	INN®	Nonreactive
Multivitamin	Centrex®	Nonreactive
Nabumetone	Relafen®	Nonreactive
Nadolol	Corgard®, Corgaretic®	Nonreactive
Nalbuphine	Nubain®	Nonreactive
Naloxone	Narcan®	Nonreactive
Naltrexone	Antaxone®, Nalorex®, Trexan®	Nonreactive
Naproxen	Aleve®, Condrotec®, Napratec®, Naprosyn®, Nycopren®, Synflex®	Nonreactive
Nefazodone	Nefadar®, Serzone®	Nonreactive
Nefopam	Acupan®	Nonreactive
Niacin	Niaspan	Nonreactive
Nicorandil	Ikorel®	Nonreactive
Nicotine	Nicoderm®, Nicorette®, Nicotinell®, Nicotrol®, NiQuitin®	Nonreactive
Nifedipine	Adalat®, Nifar®, Nifecard®, Nif-Ten®, Procardia®	Nonreactive
Nitrazepam	Mogadon®, Somnite®	Positive for BZO

DRUG NAME	COMMON DRUG NAME	RESULTS
Norethindrone	BiNovum®, Brevinor®, Climagest®, Climesse®, Elleste Duet®, Estracom-bi®, Evorel®, Kliofem®, Kliovance®, Loestrin®, Micronor®, Noriday®, Norimin®, Norinyl®, Noristat®, Norlutin®, Nuvelle®, Ovysmen®, TriNovum®, Trisequens®, Utovlan®	Nonreactive
Noscapine	Narcotine®	Nonreactive
Olanzapine	Zyprexa®	Nonreactive
Omeprazole	Prilosec®	Nonreactive
Orphenadrine	Disipal®, Norflex®, Norgesic®	Nonreactive
Oxazepam	Ox-pam®, Serax®	Positive for BZO
Oxymetazoline	Afrin®, Neo-synephrine®	Nonreactive
Oxytetracycline	Terra-Cortil®, Terramycin®, Trimovate®	Nonreactive
Pantoprazole	Protonix®	Nonreactive
Paracetamol (acetaminophen)	Fortagesic®, Paradote®	Nonreactive
Paracetamol (acet-aminophen)/codeine preparations	Co-codamol®, Codafen®, Co-dydramol®, Kapake®, Remedine®, Solpadol®, Tylenol® 3, Tylex®	Positive for MOR, OPI
Paroxetine	Paxil®, Seroxat®	Nonreactive
Penicillin	Combicillin®, Mefoxin®	Nonreactive
Pentobarbital	Nembutal®	Positive for BAR
Pericyazine	Amplan®, Aolept®, Apamin®, Iryakin®, Neumactil®, Neulactil®, Propetyl®, Psycholept®	Nonreactive
Phenobarbital	Donnatal®	Positive for BAR
Phenobarbitone (see also Phenobarbital)	Luminal®	Positive for BAR
Phenytoin	Dilantin®, Epanutin®, Epitard®	Potential positive for BAR urinary metabolite(s) only; parent compound is nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Pholcodine	Galenphol <sup>®</sup> , Pavacol-D <sup>®</sup> , Strong BP <sup>®</sup> , Thebacon <sup>®</sup>	Positive for MOR, OPI
Piperacillin	Pipracil <sup>®</sup> , Tazobactam <sup>®</sup>	Nonreactive
Prazepam	Centrax <sup>®</sup> , Demetrin <sup>®</sup>	Positive for BZO
Prednisolone	Delta-Cortef <sup>®</sup> , Econopred <sup>®</sup> , Inflamase <sup>®</sup> , PEDIAPRED <sup>®</sup> , Prelone <sup>®</sup>	Nonreactive
Pregabalin	Lyrica <sup>®</sup>	Nonreactive
Procaine	Novocain <sup>®</sup>	Nonreactive
Progesterol	No known trade names	Nonreactive
Promethazine	Allerfen <sup>®</sup> , Anergan <sup>®</sup> , Antinaus <sup>®</sup> , Aprobit <sup>®</sup> , Avomine <sup>®</sup> , Baymethazine <sup>®</sup> , Diprozin <sup>®</sup> , Fenergan <sup>®</sup> , Methazine <sup>®</sup> , Pamagren 100 <sup>®</sup> , Phenergan <sup>®</sup>	Positive for TCA
Propranolol	Beta-Prograne <sup>®</sup> , Inderal <sup>®</sup> , Inderetic <sup>®</sup> , Inderex <sup>®</sup>	Nonreactive
Pseudoephedrine	Afrinol <sup>®</sup> , Expulin <sup>®</sup> , Sudafed <sup>®</sup> , Tylenol Cold <sup>®</sup> ( <i>combination</i> )	Nonreactive
Ranitidine	Pylorid <sup>®</sup> , Zantac <sup>®</sup>	Positive for mAMP urinary metabolite(s) only; parent compound is nonreactive
Risperidone	Risperdal <sup>®</sup>	Nonreactive
Salbutamol	Aerocrom <sup>®</sup> , Aerolin <sup>®</sup> , Airomir <sup>®</sup> , Asmasal <sup>®</sup> , Combivent <sup>®</sup> , Duovent <sup>®</sup> , Ventolin <sup>®</sup> , Ventide <sup>®</sup> , Ventodisks <sup>®</sup> , Volmax <sup>®</sup>	Nonreactive
Secobarbital	Seconal <sup>®</sup>	Positive for BAR
Sennosides	Senokot <sup>®</sup>	Nonreactive
Sertraline	Zoloft <sup>®</sup>	Potential positive for BZO
Sodium valproate	Depakene <sup>®</sup> , Depakote <sup>®</sup> , Epilim <sup>®</sup>	Nonreactive

DRUG NAME	COMMON DRUG NAME	RESULTS
Temazepam	Restoril <sup>®</sup>	Positive for BZO
Testosterone	Anabolic Steroids (slang), Andropatch <sup>®</sup> , Restandol <sup>®</sup> , Sustanon <sup>®</sup> , Virormone <sup>®</sup>	Nonreactive
Thioridazine	Mellaril <sup>®</sup>	Nonreactive
Thyroxine sodium	Eltroxin <sup>®</sup>	Nonreactive
Tizanidine	Sirdalud <sup>®</sup> , Zanaflex <sup>®</sup>	Potential positive for PCP
Topiramate	Topamax <sup>®</sup>	Nonreactive
Tramadol	Tramake <sup>®</sup> , Ultram <sup>®</sup> , Zamadol <sup>®</sup> , Zydol <sup>®</sup>	Nonreactive
Tranlycypromine	Parnate <sup>®</sup>	Nonreactive
Trazodone	Desyre <sup>®</sup> , Molipaxin <sup>®</sup> , Trialodine <sup>®</sup>	Nonreactive
Triazolam	Halcion <sup>®</sup>	Positive for BZO
Valproic Acid	Depakene <sup>®</sup>	Nonreactive
Venlafaxine	Effexor <sup>®</sup> , Effexor XL <sup>®</sup>	Potential positive for PCP
Virovir	Famciclovir <sup>®</sup>	Nonreactive
Warfarin sodium	Coumadin <sup>®</sup> , Marevan <sup>®</sup>	Nonreactive
Zidovudine	Retrovir <sup>®</sup>	Nonreactive
Zolpidem	Ambien <sup>®</sup> , Stilnox <sup>®</sup> , Sublinox <sup>®</sup>	Nonreactive
Zopiclone	Imovane <sup>®</sup> , Zimovane <sup>®</sup>	Nonreactive
Zuclopenthixol	Acuphase <sup>®</sup> , Cisordinol <sup>®</sup> , Clopixol <sup>®</sup>	Nonreactive



## Confirmation Reference for Positive Results

+

Quick reference list of drugs that yield a potential positive result when confirmed (*listed by drug category/class*).

DRUG NAME	COMMON DRUG NAME	RESULTS
<b>POTENTIAL POSITIVE FOR AMP</b>		
Dexamphetamine sulphate	Adderall®, Adderall XR®, Dexedrine®	Positive for AMP
Methylenedioxyamphetamine (MDA)	Eve (slang), Love Drug (slang)	Positive for AMP and MDMA
<b>POTENTIAL POSITIVE FOR BAR</b>		
Allobarbitol	No known trade names	Positive for BAR
Alphenol	No known trade names	Positive for BAR
Amobarbitol	Amytal®, Tuinal®	Positive for BAR
Aprobarbitol	No known trade names	Positive for BAR
Barbitol	No known trade names	Positive for BAR
Butabarbitol	Butisol®, Soneryl®	Positive for BAR
Butalbital	Fioricet®, Fiorinal®	Positive for BAR
Butethal	No known trade names	Positive for BAR
Pentobarbitol	Nembutal®	Positive for BAR
Phenobarbitol	Donnatal®	Positive for BAR
Phenobarbitone (see also Phenobarbitol)	Luminal®	Positive for BAR
Phenytoin	Dilantin®, Epanutin®, Eptard®	Potential positive for BAR urinary metabolite(s) only; parent compound is nonreactive
Secobarbitol	Seconal®	Positive for BAR

DRUG NAME	COMMON DRUG NAME	RESULTS
<b>POTENTIAL POSITIVE FOR BZO</b>		
Alprazolam	Xanax®	Positive for BZO
Benzydamine	Diffiam®	Positive for BZO (200 ng/mL)
Bromazepam	Lexotan®	Positive for BZO
Chlordiazepoxide	Librium®	Positive for BZO
Clobazam	Frisium®	Positive for BZO
Clonazepam	Klonopin®, Rivotril®	Positive for BZO
Clorazepate	Tranxene®	Positive for BZO
Delorazepam	Briantum®	Positive for BZO
Diazepam	Diazemuls®, Stesolid®, Valclair®, Valium®	Positive for BZO
Estazolam	ProSom®	Positive for BZO
Flunitrazepam	Rohypnol®	Positive for BZO
Halazepam	Alapryl®, Pacinone®, Paxipam®	Positive for BZO
Lorazepam	Ativan®	Positive for BZO
Lormetazepam	Noctamid®	Positive for BZO
Medazepam	Anxietol®, Lerisum®, Medacepan®, Nobritol®, Nobrium®	Positive for BZO
Nitrazepam	Mogadon®, Somnite®	Positive for BZO
Oxazepam	Ox-pam®, Serax®	Positive for BZO
Prazepam	Centrax®, Demetrin®	Positive for BZO
Sertraline	Zoloft®	Potential positive for BZO
Temazepam	Restoril®	Positive for BZO
Triazolam	Halcion®	Positive for BZO

DRUG NAME	COMMON DRUG NAME	RESULTS
<b>POTENTIAL POSITIVE FOR mAMP</b>		
D-Methamphetamine HCL	Desoxyn <sup>®</sup> , Methamprex <sup>®</sup> , Methedrine <sup>®</sup>	Positive for mAMP
l-Methamphetamine HCL	Vick's Inhaler <sup>®</sup>	Positive for mAMP
MDMA	Adam (slang), E (slang), Ecstasy (slang), XTC (slang)	Positive for mAMP and MDMA
Ranitidine	Pylorid <sup>®</sup> , Zantac <sup>®</sup>	Positive for mAMP urinary metabolite(s) only; parent compound is nonreactive
<b>POTENTIAL POSITIVE FOR MOR</b>		
Acetaminophen with codeine (see also Paracetamol with codeine)	Tylenol <sup>®</sup> 3, Tylenol <sup>®</sup> with codeine	Positive for MOR, OPI
Codeine phosphate	Codafen Continus <sup>®</sup> , Codeine Linctus <sup>®</sup> , Galcodine <sup>®</sup> , Kapake <sup>®</sup> , Migralve <sup>®</sup> , Pediatric BP <sup>®</sup> , Solpadol <sup>®</sup> , Tylex <sup>®</sup>	Positive for MOR, OPI
Dihydrocodeine	DHC Continus <sup>®</sup> , Paramol <sup>®</sup> , Remedeine <sup>®</sup> , Remedeine Forte <sup>®</sup>	Positive for MOR, OPI; negative for OXY
Ethylmorphine	No known trade names	Positive for MOR, OPI
Hydrocodone	Loratab <sup>®</sup> , Lorcet <sup>®</sup> , Vicodin <sup>®</sup>	Positive for MOR, OPI and/or OXY
Hydromorphone	Dilaudid <sup>®</sup> , Hydrostat <sup>®</sup>	Positive for MOR, OPI and/or OXY
Koalin and morphine mixture	Diocalm <sup>®</sup> , Entersan <sup>®</sup> , Opazimes <sup>®</sup>	Positive for MOR, OPI
Morphine	Astramorph <sup>®</sup> , Cyclimorph <sup>®</sup> , Duramorph <sup>®</sup> , Morcap <sup>®</sup> , Morphine Sulfate, MS Contin <sup>®</sup> , Oramorph <sup>®</sup> , Roxanol <sup>®</sup> , Sevredol <sup>®</sup>	Positive for MOR, OPI
Paracetamol (acetaminophen)/codeine preparations	Co-codamol <sup>®</sup> , Codafen <sup>®</sup> , Co-dydramol <sup>®</sup> , Kapake <sup>®</sup> , Remedine <sup>®</sup> , Solpadol <sup>®</sup> , Tylenol <sup>®</sup> 3, Tylex <sup>®</sup>	Positive for MOR, OPI
Pholcodine	Galenphol <sup>®</sup> , Pavacol-D <sup>®</sup> , Strong BP <sup>®</sup> , Thebacon <sup>®</sup>	Positive for MOR, OPI

DRUG NAME	COMMON DRUG NAME	RESULTS
<b>POTENTIAL POSITIVE FOR MTD</b>		
Doxylamine	Nyquil <sup>®</sup>	Positive for MTD
<b>POTENTIAL POSITIVE FOR OPI</b>		
Acetaminophen with codeine (see also Paracetamol with codeine)	Tylenol <sup>®</sup> 3, Tylenol <sup>®</sup> with codeine	Positive for MOR, OPI
Codeine phosphate	Codafen Continus <sup>®</sup> , Codeine Linctus <sup>®</sup> , Galcodine <sup>®</sup> , Kapake <sup>®</sup> , Migralve <sup>®</sup> , Pediatric BP <sup>®</sup> , Solpadol <sup>®</sup> , Tylex <sup>®</sup>	Positive for MOR, OPI
Dihydrocodeine	DHC Continus <sup>®</sup> , Paramol <sup>®</sup> , Remedeine <sup>®</sup> , Remedeine Forte <sup>®</sup>	Positive for MOR, OPI; negative for OXY
Ethylmorphine	No known trade names	Positive for MOR, OPI
Hydrocodone	Loratab <sup>®</sup> , Lorcet <sup>®</sup> , Vicodin <sup>®</sup>	Positive for MOR, OPI and/or OXY
Hydromorphone	Dilaudid <sup>®</sup> , Hydrostat <sup>®</sup>	Positive for MOR, OPI and/or OXY
Koalin and morphine mixture	Diocalm <sup>®</sup> , Entersan <sup>®</sup> , Opazimes <sup>®</sup>	Positive for MOR, OPI
Morphine	Astramorph <sup>®</sup> , Cyclimorph <sup>®</sup> , Duramorph <sup>®</sup> , Morcap <sup>®</sup> , Morphine Sulfate, MS Contin <sup>®</sup> , Oramorph <sup>®</sup> , Roxanol <sup>®</sup> , Sevredol <sup>®</sup>	Positive for MOR, OPI
Paracetamol (acetaminophen)/codeine preparations	Co-codamol <sup>®</sup> , Codafen <sup>®</sup> , Co-dydramol <sup>®</sup> , Kapake <sup>®</sup> , Remedine <sup>®</sup> , Solpadol <sup>®</sup> , Tylenol <sup>®</sup> 3, Tylex <sup>®</sup>	Positive for MOR, OPI
Pholcodine	Galenphol <sup>®</sup> , Pavacol-D <sup>®</sup> , Strong BP <sup>®</sup> , Thebacon <sup>®</sup>	Positive for MOR, OPI

DRUG NAME	COMMON DRUG NAME	RESULTS
<b>POTENTIAL POSITIVE FOR OXY</b>		
Acetaminophen with codeine ( <i>see also Paracetamol with codeine</i> )	Tylenol® 3, Tylenol® with codeine	Positive for MOR, OPI
Codeine phosphate	Codafen Continus®, Codeine Linctus®, Galcodine®, Kapake®, Migraleve®, Pediatric BP®, Solpadol®, Tylex®	Positive for MOR, OPI
Ethylmorphine	No known trade names	Positive for MOR, OPI
Hydrocodone	Loratab®, Lorcet®, Vicodin®	Positive for MOR, OPI and/or OXY
Hydrocodone	Loratab®, Lorcet®, Vicodin®	Positive for MOR, OPI and/or OXY
Hydromorphone	Dilaudid®, Hydrostat®	Positive for MOR, OPI and/or OXY
Koalin and morphine mixture	Diocalm®, Entersan®, Opazimes®	Positive for MOR, OPI
Morphine	Astramorph®, Cyclimorph®, Duramorph®, Morcap®, Morphine Sulfate, MS Contin®, Oramorph®, Roxanol®, Sevredol®	Positive for MOR, OPI
Paracetamol (acetaminophen)/codeine preparations	Co-codamol®, Codafen®, Co-dydramol®, Kapake®, Remedine®, Solpadol®, Tylenol® 3, Tylex®	Positive for MOR, OPI
Pholcodine	Galenphol®, Pavacol-D®, Strong BP®, Thebacon®	Positive for MOR, OPI
<b>POTENTIAL POSITIVE FOR PCP</b>		
Lamotrigine	Lamictal®	Potential positive for PCP and/or THC
Tizanidine	Sirdalud®, Zanaflex®	Potential positive for PCP
Venlafaxine	Effexor®, Effexor XL®	Potential positive for PCP

DRUG NAME	COMMON DRUG NAME	RESULTS
<b>POTENTIAL POSITIVE FOR PPX</b>		
Dextropropoxyphene	Co-proxamol®, Darvocet®, Darvon®	Positive for PPX
<b>POTENTIAL POSITIVE FOR TCA</b>		
Amitriptyline	Elavil®, Lentizol®, Triptafen®, Triptafen-M®, Tryptizol®	Positive for TCA
Cyclobenzaprine	Flexeril®	Positive for TCA
Cyproheptadine	Periactin®	Positive for TCA
Dothiepin	Prothiaden®	Positive for TCA
Doxepin	Sinequan®, Xepin®	Positive for TCA
Lofepramine	Gamanil®, Lomont®	Positive for TCA
Promethazine	Allerfen®, Anergan®, Antinaus®, Aprobit®, Avomine®, Baymethazine®, Diprozin®, Fenegan®, Methazine®, Pamagren 100®, Phenergan®	Positive for TCA
<b>POTENTIAL POSITIVE FOR THC</b>		
Efavirenz	Sustiva®	Positive for THC urinary metabolite(s) only; parent compound is nonreactive
Lamotrigine	Lamictal®	Potential positive for PCP and/or THC



Smart. Connected. Empowering.



[alere toxicology.com](http://alere toxicology.com)

© 2013 Alere. All rights reserved. The Alere Logo, and Alere are trademarks of the Alere group of companies. All other trademarks referenced herein are the property of their respective owners. 800035 REV4 4/13