

Potential Reactants and Cross-Reactants Chart

Listed below are potential reactants and cross-reactants with **most** immunoassay methodologies:

| COMPOUND (Generic Name) | COMPOUND (Trade Name) | RESULTS |
|--|--|--|
| Acetaminophen (see also Paracetamol) | Aceta, Acephen, Apacet, Dapacen, Feverall, Tylenol, Excedrin (combination), Panadol, Tempra | Non-reactive |
| Acetaminophen with Codeine (see also Paracetamol with codeine) | Tylenol 3, Tylenol with codeine | Positive for Opiates (OPI, MOR, MOP) |
| Acetophenetidin | Phenacetin | Non-reactive |
| Acetylsalicylic acid | Aspirin, Anadin, Anasin, Bufferin, Caprin, Disprin, Ecotrin, Empirin, Excedrin (combination) | Non-reactive |
| Allobarbital | No known trade names | Positive for Barbiturates (BAR) |
| Alphenol | No known trade names | Positive for Barbiturates (BAR) |
| Alprazolam | Xanax | Positive for Benzodiazepines (BZO) |
| Aluminum Chloride Hexahydrate | Drichlor, Anhydrol Forte | Non-reactive |
| Aluminum Hydroxide | Alu-Cap, Alisone, Gastrocote, Kolanticon, Maalox, Maalox TC, Mucogel, Pyrogastrone, Topal | Non-reactive |
| Alverine Citrate | Spasmonal, Spasmonal Fibre | Non-reactive |
| Aminopyrine | | Non-reactive |
| Amitriptyline | Elavil, Lentizol, Tryptizol, Triptafen, Triptafen-M | Positive for Tricyclic Antidepressants (TCA) |
| Ammonia/Ipecacuanha | Ipecac | Non-reactive |
| Amobarbital | Amytal, Tuinal | Positive for Barbiturates (BAR) |
| Amoxicillin or Amoxycillin | Amoxil, Amoram, Augmentin, Heliclear | Non-reactive |
| Amphetamine | | Positive for Amphetamine |
| Ampicillin | Penbritin, Polycillin, Principen | Non-reactive |
| Antazoline Sulphate | Otrivine-Anistin | Non-reactive |

Therapeutic dosages may not be detected in urine.

List not all inclusive:

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| COMPOUND (Generic Name) | COMPOUND (Trade Name) | RESULTS/CROSS REACTANTS |
|--------------------------------|---|------------------------------------|
| Aprobarbital | | Positive for Barbiturates (BAR) |
| Aspirin | Bayer Aspirin, Excedrin, ASA, Angettes, Asasantin, Caprin | Non-reactive |
| Atenolol | Beta-adlat, Co-tenidone, Kalten, Tenben, Tenif, Tenoret50, Tenorectic, Tenormin | Non-reactive |
| Atorvastatin | Lipitor | Non-reactive |
| Azlocillin | Securopen | Non-reactive |
| Barbital | | Positive for Barbiturates (BAR) |
| Beclometasone | AeroBec, AeroBec Forte, Asmabec, Beclazone, Becloforte, Becodisks, Beconase, Becotide, Fillair, Nasobec, Qvar, Ventide, Zonivent | Non-reactive |
| Bendrofluazide | Aprinox, Cogarectic, Indertic, Inderex, Neo-Naclax, Neo-Naclax-K, Prestim, Tenben | Non-reactive |
| Benzalkonium | Bradosol | Non-reactive |
| Benzydamine HCl | Diffiam | Non-reactive |
| Benzympenicillin | Crystapen | Non-reactive |
| Bromazepam | Lexotan | Positive for Benzodiazepines (BZO) |
| Bromopheniramine | Dimetapp, Dimotapp, Dimotane | Non-reactive |
| Buprenorphine | Subutex, Temgesic | Non-reactive |
| Bupropion | Wellbutrin, Zyban | Non-reactive |
| Butabarbital | Butisol, Soneryl | Positive for Barbiturates (BAR) |
| Butalbital | Fioricet, Fiorinal | Positive for Barbiturates (BAR) |
| Canestan | Canestan ear/skin/vaginitis/HC | Non-reactive |
| Carbamazepine | Tegretol, Teril, Timonil | Non-reactive |
| Cephalexin | Ceporex, Keflex | Non-reactive |
| Chloral Hydrate | Welldorm | Non-reactive |
| Chlordiazepoxide | Librium | Positive for Benzodiazepines (BZO) |
| Chlorhexidine Gluconate | Bactrigas, Cordsodyl, Chlorohex, CX Powder, Dermal, Hibicet, Hibiscrub, Hibisol, Hibitane, Instillagel, Naseptin, Nystaform, Serotulle, Steripod, Tisept, Unisept, Uriflex, Uro-Trainer | Non-reactive |
| Chlorpheniramine Maleate | Galpseud, Haymine, Piriton | Non-reactive |

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| COMPOUND (Generic Name) | COMPOUND (Trade Name) | RESULTS/CROSS REACTANTS |
|--|--|--|
| Chlorpromazine | Largactil | Non-reactive |
| Cimetidine | Dyspamet, Tagamet, Zita | Non-reactive |
| Clobazam | Frisium | Positive for Benzodiazepines (BZO) |
| Clonazepam | Clonopin, Klonopin, Rivotril | Positive for Benzodiazepines (BZO) |
| Clorazepate | Tranxene | Positive for Benzodiazepines (BZO) |
| Citalopram | Cipramil | Non-reactive |
| Co-Amoxiclav | Augmentin, Augmentin Duo | Non-reactive |
| Codeine Phosphate | Codafen Continus, Codeine Linctus, Pediatric BP, Galcodine, Kapake, Migraleve, Solpadol, Tylex | Positive for Opiates (OPI, MOR, MOP) |
| Co-Fluampicil | Magnapen | Non-reactive |
| Co-Phenotrope (atropine/diphenoxylate) | Lomotil, Trepergen | Non-reactive |
| Delorazepam | Briantum | Positive for Benzodiazepines (BZO) |
| Dexamethasone | Decadron, Dexam-Rhinaspray Duo, Maxidex, Maxidrol, Minims, Otomize, Sofradex | Non-reactive |
| Dextroamphetamine | Adderall, Adderall XR, Dexedrine | Positive for Amphetamine (AMP) |
| Dextropropoxyphene | Darvon, Darvocet, Co-proximal | Positive for Propoxyphene (PPX) |
| Diazepam | Diazemuls, Stesolid, Valclair, Valium | Positive for Benzodiazepines (BZO) |
| Diclofenac Sodium | Dicloflex, Diclomax, Motifene, Volraman, Volsaid, Voltarol | Non-reactive |
| Dicyclomine | Kolanticon, Merbentyl | Non-reactive |
| Dihydrocodeine | DHC Continus, Paramol, Remedeine, Remedeine Forte | Potential positive for Opiates (OPI) |
| Dimethicone | Asilone, Fancorsil | Non-reactive |
| Diphenhydramine | Benadryl, Medinex, Nytol, Panadol Night | Non-reactive |
| Diphenoxylate with Atropine | Lomotil | Non-reactive |
| Dothiepin | Prothiaden | Non-reactive |
| Doxycycline | Vibramycin, Vibramycin-D | Non-reactive |
| Doxepin | Sinequan, Xepin | Positive for Tricyclic Antidepressants (TCA) |
| Efavirenz | Sustiva | Potential Positive for Cannabinoids (THC)* |

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| COMPOUND (Generic Name) | COMPOUND (Trade Name) | RESULTS |
|----------------------------------|--|--------------------------------------|
| Erythromycin | Arpimycin, Benzymycin, Erycane, Erymax, Erythrocin, Erythroped, Ilosone, Isotrexin, Lactobinate, Stiemycin, Tiloryth, Zineryl | Non-reactive |
| Estazolam | ProSom | Positive for Benzodiazepines (BZO) |
| Ethambutol | Myambutol | Non-reactive |
| Ethylmorphine | | Positive for Opiates (OPI, MOR, MOP) |
| Flucloxacillin | Co-fluampicil, Floxapen, Magnapen | Non-reactive |
| Flunitrazepam | Rohypnol | Positive for Benzodiazepines (BZO) |
| Fluoxetine | Prozac, Sarafem | Non-reactive |
| Flupentixol Decanoate | Depixol, Fluanxol | Non-reactive |
| Fusidic Acid (Sodium Fusidate) | Fucithalamic, Fucibet, Fucidin | Non-reactive |
| Gentamicin Sulphate | Cidomycin, Genticin, Gentisone | Non-reactive |
| Hydrocodone (High dosage only) | Lorcet, Loratab, Vicodin | Positive for Opiates (OPI, MOR, MOP) |
| Hydrocortisone | Actinac, Alphaderm, Alphosyl-HC, Anugesic-HC, Anusol-HC, Calmurid-HC, Canesten-HC, Colioam, Daktacort, Dioderm, Econacort, Efortelan, Efcortesel, Eurax-HC, Gregoderm, Hydrocortistab, Hydrocortone, Mildisonlipocream, Neo-cortef, Nystaform, Perinal, Proctofoam, Quinocort, Terra-cortil, Timodine, Uniroid-HC, Vioform-HC, Xyloproct | Non-reactive |
| Hydrocortisone-17-butyrate | Locoid, Locoid C | Non-reactive |
| Hydromorphone (High dosage only) | Dilaudid, Hydrostat | Positive for Opiates (OPI, MOR, MOP) |
| Hydroxychloroquine | Plaquenil | Non-reactive |
| Hydroxyzine Hydrochloride | 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 | Roferon-A, Intron A, Viraferon, Wellferon | Non-reactive |
| Isoniazide | INH | Non-reactive |
| Isosorbide Dinitrate | Angitak, Cedocard, Isocard, Isoket, Isordil, Sorbichew, Sorbitrate, Sorbid SA | Non-reactive |
| Koalin and Morphine Mixture | Diocalm, Entersan, Opazimes | Positive for Opiates (OPI, MOR, MOP) |

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* Urinary metabolite(s) only; parent compound is non-reactive

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| COMPOUND (Generic Name) | COMPOUND (Trade Name) | RESULTS |
|--|--|---|
| Naloxone | Narcan | Non-reactive |
| Naltrexone | Antaxone, Nalorex, Trexan | Non-reactive |
| Naproxen | Aleve, Condrotec, Napratec, Naprosen, Naprosyn, Nycopren, Synflex | Non-reactive |
| Nicotine | Nicoderm, Nicorette, Nicotinell, Nicotrol, Niquitin | Positive for Cotinine (Nicotine metabolite) |
| Nifedipine | Adalat, Nifecard, Nifar, Niften, Procardia | Non-reactive |
| Nitrazepam | Mogadon, Somnite | Positive for Benzodiazepines (BZO) |
| Norethindrone | BiNovum, Brevinor, Climagest, Climesse, Elleste Duet, Etracombi, Evorel, Kliofem, Kliovance, Loestrin, Micronor, Norlutin, Noriday, Norimin, Norinyl, Noristat, Nuvelle, Ovysmen, TriNovum, Trisquens, Utovian | Non-reactive |
| Noscapine | Narcotine | Non-reactive |
| d/l-Octopamine | No known trade names | Non-reactive |
| Olanzapine | Zyprexa | Non-reactive |
| Orphenadrine | Norflex, Norgesic, Disipil | Non-reactive |
| Oxazepam | Serax, Ox-pam | Positive for Benzodiazepines (BZO) |
| Oxymetazoline | Afrin, Neo-synephrine | Non-reactive |
| Oxytetracycline | Terra-Cortil, Terramycin, Trimovate | Non-reactive |
| Paracetamol (Acetaminophen) | Fortagesic, Paradote | Non-reactive |
| Paracetamol (Acetaminophen)/Codeine Preparations | Tylenol 3, Co-codamol, Codafen, Co-dydramol, Kapake, Remedine, Solpadol, Tylex | Positive for Opiates (OPI, MOR, MOP) |
| Paroxetine | Paxil, Seroxat | Non-reactive |
| Penicillin | Combicillin, Mefoxin | Non-reactive |
| Pentobarbital | Nembutal | Positive for Barbiturates (BAR) |
| Pericyazine | Amplan, Aolept, Apamin, Iryakin, Nemactil, Neulactil, Propetyl, Psycholept | Non-reactive |
| Phencyclidine (PCP) | | Positive for PCP |
| Phenobarbitone (see also Phenobarbital) | Luminal | Positive for Barbiturates (BAR) |
| Phenytoin | Dilantin, Epanutin, Epitard | Non-reactive |
| Phenobarbital | Donnatal | Positive for Barbiturates (BAR) |
| Pholcodine | Galenphol, Strong BP, Pavacol-D, Thebacon | Positive for Opiates (OPI, MOR, MOP) |

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| Naloxone | Narcan | Non-reactive |
| Naltrexone | Antaxone, Nalorex, Trexan | Non-reactive |
| Naproxen | Aleve, Condrotec, Napratec, Naprosen, Naprosyn, Nycopren, Synflex | Non-reactive |
| Nicotine | Nicoderm, Nicorette, Nicotinell, Nicotrol, Niquitin | Positive for Cotinine (Nicotine metabolite) |
| Nifedipine | Adalat, Nifecard, Nifar, Niften, Procardia | Non-reactive |
| Nitrazepam | Mogadon, Somnite | Positive for Benzodiazepines (BZO) |
| Norethindrone | BiNovum, Brevinor, Climagest, Climesse, Elleste Duet, Etracombi, Evorel, Kliofem, Kliovance, Loestrin, Micronor, Norlutin, Noriday, Norimin, Norinyl, Noristat, Nuvelle, Ovysmen, TriNovum, Trisquens, Utovian | Non-reactive |
| Noscapine | Narcotine | Non-reactive |
| d/l-Octopamine | No known trade names | Non-reactive |
| Olanzapine | Zyprexa | Non-reactive |
| Orphenadrine | Norflex, Norgesic, Disipil | Non-reactive |
| Oxazepam | Serax, Ox-pam | Positive for Benzodiazepines (BZO) |
| Oxymetazoline | Afrin, Neo-synephrine | Non-reactive |
| Oxytetracycline | Terra-Cortil, Terramycin, Trimovate | Non-reactive |
| Paracetamol (Acetaminophen) | Fortagesic, Paradote | Non-reactive |
| Paracetamol (Acetaminophen)/Codeine Preparations | Tylenol 3, Co-codamol, Codafen, Co-dydramol, Kapake, Remedine, Solpadol, Tylex | Positive for Opiates (OPI, MOR, MOP) |
| Paroxetine | Paxil, Seroxat | Non-reactive |
| Penicillin | Combicillin, Mefoxin | Non-reactive |
| Pentobarbital | Nembutal | Positive for Barbiturates (BAR) |
| Pericyazine | Amplan, Aolept, Apamin, Iryakin, Nemactil, Neulactil, Propetyl, Psycholept | Non-reactive |
| Phencyclidine (PCP) | | Positive for PCP |
| Phenobarbitone (see also Phenobarbital) | Luminal | Positive for Barbiturates (BAR) |
| Phenytoin | Dilantin, Epanutin, Epitard | Non-reactive |
| Phenobarbital | Donnatal | Positive for Barbiturates (BAR) |
| Pholcodine | Galenphol, Strong BP, Pavacol-D, Thebacon | Positive for Opiates (OPI, MOR, MOP) |

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|--|---|---|
| Piperacillin | Pipracil, Tazobactam | Non-reactive |
| Prazepam | Centrax, Demetrin | Positive for Benzodiazepines (BZO) |
| Prednisolone | Delta-cortef, Econopred, Inflammase, PEDIAPRED, Prelone | Non-reactive |
| Procaine | Novocain | Non-reactive |
| Progesterol | | Non-reactive |
| Promethazine | Allerfen, Anergan, Antinaus, Aprobit, Avomine, Baymethzine, Diprozin, Fenegan, Methazine, Phenergen | Non-reactive |
| Propranolol | Beta-Progane, Inderal, Inderetic, Inderex | Non-reactive |
| Pseudoephedrine | Afrinol, Sudafed, Tylenol Cold (combination) | Potential positive for Methamphetamine (M-AMP)* |
| Ranitidine | Pylorid, Zantac | Potential positive for Methamphetamine (M-AMP)* |
| Salbutamol | Aerocrom, Aerolin, Airomir, Asmasal, Combivent, Duovent, Ventide, Ventodisks, Venotlin, Volmax | Non-reactive |
| Secobarbital | Seconal | Positive for Barbiturates (BAR) |
| Sennosides | Senokot | Non-reactive |
| Sertraline | Zoloft | Potential positive for Benzodiazepines (BZO) |
| Sodium Valproate | Depakene, Depakote, Epilim | Non-reactive |
| Temazepam | Restoril | Positive for Benzodiazepines (BZO) |
| Testosterone | Andropatch, Restandol, Sustanon, Virormone, slang name "anabolic steroids" | Non-reactive |
| Thioridazine Hydrochloride | Mellaril | Non-reactive |
| Thyroxine Sodium | Eltroxin | Non-reactive |
| Tramadol | Ultram, Tramake, Zamadol, Zydol | Non-reactive |
| Trazodone (Also known as Molipaxin) | Desyrel, Molipaxin, Trialodine | Non-reactive |
| Triazolam | Halcion | Positive for Benzodiazepines (BZO) |
| Venlafaxine | Effexor, Effexor XL | Potential Positive for PCP |
| Warfarin Sodium | Coumadin, Marevan | Non-reactive |

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