

# Rancho Los Amigos National Rehabilitation Center

## Antidote Chart

### ACCEPTED SPECIFIC ANTIDOTES FOR POISONINGS

The following is a list of common toxins/poisonings and drugs that are used as antidotes or treatments. THIS IS NOT A TREATMENT LIST, AND DRUGS LISTED ARE NOT ALWAYS INDICATED IN PARTICULAR POISONINGS. IF THE DRUG IS INDICATED, DOSAGES MUST BE INDIVIDUALIZED FOR ADULTS OR CHILDREN. For help with dosages, contact the California Poison Control System.

TELEPHONE NUMBER FOR THE CALIFORNIA POISON CONTROL SYSTEM **1-800-222-1222**

Poison/Drug/Toxin	Antidote	Dosage Forms: common route(s)	Comments
<b>Acetaminophen</b>	N-Acetylcysteine (NAC, Mucomyst®, Acetadote®)	Mucomyst® or generic= 10% + 20% for oral use  Acetadote®= 20% for IV use	Use orally. Dilute at least by 3:1 ratio. Can be used IV if Acetadote® not available.  (consult with poison control center & give via micropore filter.) Loading dose should be infused over 45-60 minutes
<b>Anticholinergic</b> (especially antimuscarinic delirium)	Physostigmine (Antilirium®)	Injection: IM, IV	Atropine, Jimson Weed Administer slowly: May cause severe side effects including bradycardia, asystole and seizure.
<b>Arsenic</b>	Dimercaprol (BAL in oil®) DIMERCAPTO SUCCINIC ACID (DMSA, Succimer, Chemet®)  Penicillamine (Cuprimine®)	Injection: IM only  Capsule: oral  Capsule/tablet: oral	DMSA is preferred treatment. BAL should be given if encephalopathy is present or patient unable to take PO DMSA.  Penicillin allergy is a contraindication for use of d-Penicillamine  All Used in other Heavy metal exposures- Copper, Gold, Mercury
<b>Benzodiazepine</b>	Flumazenil (Romazicon®)	Injection: IV	Use small initial dose to avoid abrupt awakening/delirium.
Beta-Adrenergic Receptor Antagonists	Glucagon	Injection: IV	
<b>Botulism</b>	Botulism Antitoxin (ABE Trivalent)	Not Available from Commercial stock contact state 24/7 to procure	California Department of Public Health: Non-Infant: 510-620-3434 Infant: 510-231-7600 CDC: 770-488-7100
<b>Calcium Channel Blocker</b>	Glucagon Calcium Gluconate 10% Calcium Chloride	Injection: IV Injection: IV Injection: IV	
<b>Cyanide</b>	Cyanide antidote kit Taylor Cyanide antidote kit	Amyl nitrate: inhalation Sodium Nitrate: IV Sodium thiosulfate: IV	
<b>Digoxin</b>	Digoxin Immune FAB Digibind® or Digifab®	Injection: IV	Other cardiac glycosides (e.g. oleander, foxglove)
<b>Ethylene glycol</b>	Fomepizole (4-MP, Antizol®)	Injection: IV	Antifreeze
<b>Heparin</b>	Protamine sulfate	Injection: IV	
<b>Hydrofluoric Acid</b>	Calcium Gluconate Gel, powder & inj.	All for topical or oral exposure	Calcium gluconate gel (Calgonate®)- for topical treatment only. Calcium gluconate powder for manufacturing of topical gel.
<b>Hydrogen sulfide</b>	Cyanide antidote kit Taylor Cyanide antidote kit	Amyl nitrate: inhalation Sodium Nitrate: IV Sodium thiosulfate: IV	

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<b>Iron</b>	Deferoxamine Desferal®	Injection: IM, IV	IM administration is discouraged.
<b>Isoniazid</b>	Pyridoxine (vitamin B6, Beesix®)	Injection: IV	Large amounts (grams) required. Note: 100mg in 1ml vial contain preservative chlorobutanol. Use Multi-dose vial only. The preservative is toxic at large quantities.
<b>Lead</b>	Calcium Disodium Edetate (EDTA, Versenate®) Dimercaprol (BAL in oil®) DIMERCAPTOSUCCINIC ACID (DMSA, Succimer, Chemet®)	Injection: IM Oral: capsule Oral: Capsule/tablet	Note: Do not confuse Calcium EDTA with sodium EDTA (edentate disodium)
<b>Mercury</b>	Dimercaprol (BAL in oil®) DIMERCAPTOSUCCINIC ACID (DMSA, Succimer, Chemet®) D-Penicillamine (Cuprimine®)	Oral: capsule Injection: IV Oral: capsule	Penicillin allergy is a contraindication for use of d-Pencillamine
<b>Methanol</b>	Fomepizole (4-MP, Antizol®)	Injection: IV	Wood alcohol
Methemoglobinemia	Methylene Blue	Injection: IV	
<b>Methotrexate</b>	Folic acid, folinic acid (Leucovorin®)	Injection: IV Injection: IV	trimetrexate, pyrimethamine, trimethoprim
Neuroleptic Malignantsyndrome	Bromocriptine Mesylate (Parlodel) Dantrolene Sodium (Dantrium)	Oral Injection: IV	
<b>Opiates</b>	Naloxone (Narcan)	Injection: IM, IV	Use small initial dose to avoid abrupt awakening/ delirium
Organophosphate/Carbamate	Atropine Pralidoxime Chloride (2-Pam, Protopam®)	Injection: IM, IV	Organophosphate/Carbamate insecticide poisoning and other cholinesterase inhibitors (eg, warfare agents, Nerve gas)
<b>Snake bite</b>	Antivenom: Crotalidae Polyvalent CroFab® (Ovine)	Injection: IV	Rattle snake envenomation (e.g., rattlesnakes, cottonmouths, timber rattlers and copperheads)
<b>Spider bite</b>	Antivenom, Black widow spider/ Lactrodectus Mactans®	Injection: IV	Black Widow Spider
<b>Sulfonylurea</b>	Octreotide (Sandostatin®)	Injection: SQ	Avoid long acting depot products
<b>Valproic Acid</b> (Depakote, Depakene)	Carnitine (L-Carnitine, Carnitor®)	Injection: IV	Hyperammonemia from valproic acid toxicity
<b>Warfarin</b>	Phytonadione (Vitamin K1, Mephyton®, Aqua-Mephyton®)	Oral Injection: SQ, IV, IM	If patient is actively bleeding use fresh frozen plasma or Factor VII concentrate. Preferred injectable route is SQ limit IV & IM use to when SQ is not feasible.