

California Poison Control System

ANTIDOTE CHART

(Suggested Stocking Level is based on dose to treat a 70 kg patient for 24 hours)*

Updated: 3-11-2008

Generic/ Name Brand	Toxin	Notes	Suggested Stocking Level
Atropine	Organophosphate/Carbamate insecticide poisoning and other cholinesterase inhibitors (eg, warfare agents); bradycardia induced by a variety of toxins	May require large amounts in severe cholinesterase inhibitor poisoning. Also stocked in the Strategic National Stockpile but will need supplies for first 48 hours. Coordinate with local Homeland Security office.	1000 mg total (in vials) Use preservative free product
Antivenom, Crotalidae Polyvalent Immune-FAB(ovine)/ Cro-Fab®	Rattlesnake envenomation		24 vials
Antivenom, Black Widow Spider/ Antivenom (Latrodectus Mactans)®	Black Widow Spider envenomation		1 x 6000u vial
BAL(Dimercaprol)/ BAL in oil 10%®	Heavy Metal poisoning		6 x 3 mL (10% in oil) amps
Calcium Chloride injection	Calcium channel blocker poisoning; hypocalcemia induced by various agents	Can cause tissue necrosis if extravasation occurs – use large vein for infusion.	20 x 10mL (10%) vials
Calcium Gluconate Powder	Hydrofluoric Acid	For manufacture of topical gel	1 x 100gm powder bottle
Calcium Gluconate injection	Hydrofluoric Acid skin exposure or poisoning; hypocalcemia induced by various agents		20 x 10mL (10%) vials
Calcium Gluconate gel/Calgonate 2.5% gel®	Hydrofluoric Acid dermal burns	For topical burns	6 x 25 gm tubes
Carnitine (L-Carnitine)/ Carnitor®	Hyperammonemia from valproic acid toxicity		7 x 1gm vials
Cyanide Antidote Kit/ Taylor Cyanide Antidote Kit®	Cyanide poisoning	Thiosulfate component can be used separately. See also Hydroxocobalamin (Cyanokit®).	2 kits (or stock the Cyanokit® - see Hydroxocobalamin)
Deferoxamine/ Desferal®	Iron poisoning	IM administration is discouraged.	12 x 500mg vials
Digoxin Immune FAB (ovine)/ Digibind® or DigiFab®	Digoxin poisoning; Other cardiac glycosides (eg, oleander, foxglove)	Consult with poison center regarding dosing, especially for cardiac glycosides than digoxin.	15 vials of either product
DMSA (Succimer)/ Chemet®	Heavy metal poisoning		1 x 100 capsule bottle
DTPA-Calcium (Diethylenetriamine pentaacetate)/ Pentetate Calcium Trisodium injection)	Dirty bomb agents: Radioactive plutonium, americium and curium	Also stocked in the Strategic National Stockpile but will need supplies for first 48 hours. Coordinate with local Homeland Security office.	1 x 1gm vial
DTPA-Zinc (Diethylenetriamine pentaacetate)/ Pentetate Zinc Trisodium injection)	Dirty bomb agents: Radioactive plutonium, americium and curium	Also stocked in the Strategic National Stockpile but will need supplies for first 48 hours. Coordinate with local Homeland Security office.	1 x 1gm vial
EDTA-Calcium/ Versenate®	Heavy metal poisoning		18x 1000mg/5mL amps
Ethanol IV 10%	Ethylene glycol or Methanol poisoning	Note: Ethanol more difficult to obtain, dose and monitor than fomepizole.	Product no longer manufactured

Flumazenil/ Romazicon®	Benzodiazepine poisoning	Use small initial dose to avoid abrupt awakening/ delirium.	5 x 0.5 mg/5mL vials
Fomepizole (4-MP)/ Antizol®	Preferred antidote for Ethylene glycol or Methanol poisoning	Manufacturer will replace expired stocks.	4 x 1.5mL (1gm/mL) vials
Glucagon	Beta blocker/ Calcium channel blocker poisoning	Anticipate nausea and vomiting.	10 x 1 mg vials
Hydroxycobalamin/ Cyanokit®	Cyanide poisoning	Newer cyanide antidote, can be used instead of the conventional cyanide antidote kit from Taylor.	3 x 5gm kits (or stock the Taylor cyanide kit)
Methylene Blue	Methemoglobinemia		5 x 10mL (1%) amps (10mg/mL)
N-Acetylcysteine (NAC) Mucomyst® or generic	Acetaminophen poisoning (oral preparation)	Use orally. Dilute at least by a 3:1 ratio.	7 x 30mL (20%) vials
N-Acetylcysteine (NAC) Acetadote®	Acetaminophen poisoning (IV preparation)	Loading dose should be infused slowly over 45-60 minutes. Generic N-acetylcysteine can be used if Acetadote® is not available (consult with poison center and give via micropore filter).	1 carton of 4 x 30mL (20%) vials
Naloxone/ Narcan®	Opioid overdose	Use small initial dose to avoid abrupt awakening/ delirium.	20 x 0.4mg/2mL amps or 10 x 10mg/10mL vials
Octreotide acetate/ Sandostatin®	Oral sulfonyleurea poisoning	Avoid long-acting depot products.	2 x 1mL (0.1mg/mL) amps 1 x 5ml 0.2mg/1ml MDV
Physostigmine/ Antilirium®	Anticholinergic poisoning, especially antimuscarinic delirium.	Administer slowly: May cause severe side effects including bradycardia, asystole and seizures	10 x 2mL (1mg/mL) vials
Pralidoxime(2-PAM)/ Protopam®	Cholinesterase Inhibitor poisoning (organophosphate or "nerve gas")	Also stocked in the Strategic National Stockpile but will need supplies for first 48 hours. Coordinate with local Homeland Security office.	12 x 1gm (20mL) vials
Prussian Blue/ Radiogardase®	Dirty bomb agents: radioactive cesium and thallium and non-radioactive thallium	Also stocked in the Strategic National Stockpile but will need supplies for first 48 hours. Coordinate with local Homeland Security office.	2 packs of thirty 500 mg capsules
Pyridoxine (Vitamin B ₆)	Isoniazid (INH) poisoning	Large amounts needed for poisoning: 5 grams is the minimum antidotal dose used in an ingestion of an unknown amount. Note: the 100 mg in 1 ml vials contain the preservative chlorobutanol. A 5 gram dose requires 50 vials and will deliver a toxic dose of the preservative.	50 x 1mL (100 mg/mL) or the equivalent (Use preservative free product.)
Vitamin K ₁ (Phytonadione)/ Mephyton® or AquaMephyton®	Warfarin, warfarin-based anticoagulants and super-warfarin based rodenticide poisoning	If patient is actively bleeding use fresh frozen plasma or Factor VII concentrate.	20 x 5mg tabs 10 x 10mg/mL amps

Expert advice regarding use of antidotes is available 24 hours a day, 7 days a week from the California Poison Control System. Call us at

1-800-222-1222

*Adapted From Olson, KR (Ed): Poisoning & Drug Overdose. 5th Edition. McGraw-Hill. New York. 2007

Note: List is not all-inclusive but reflects agents used more exclusively as antidotes or antidotal agents used infrequently.

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