

California Poison Control System

ANTIDOTE CHART

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

| Generic/ Name Brand | Toxin | Notes | Suggested Stocking Level |
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| 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 | | 3 x 1000mL (10%) bottles |
| Flumazenil/ Romazicon® | Benzodiazepine poisoning | Use small initial dose to avoid abrupt awakening/ delirium. | 5 x 0.5 mg/5mL vials |

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| Fomepizole (4-MP)/ Antizol® | 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)/ Beesix® | Isoniazid (INH) poisoning | Large amounts (in grams) needed for poisoning. 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. | 7 x 30mL vials 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.

Updated: 12-12-2007