

12.0 ANTIDOTES**12.1 GENERAL ANTIDOTES***ACTIVATED CHARCOAL, USP*

Oral: powder, USP grade given as slurry

LORAZEPAM

(for drug-induced seizures)

Inj.: 4 mg/mL, 1 mL ampul (IM, IV)

SODIUM SULFATE

Oral: powder, USP grade

12.2 SPECIFIC ANTIDOTES / ANTAGONISTS*ACETYLCYSTEINE*(for paracetamol [acetaminophen]),
white/yellow phosphorus "watusi"
poisoning, cyclophosphamide-
induced hemorrhagic cystitis and
zinc phosphide and carbon tetra-
chloride (CCl₄) poisoning)Oral: 600 mg effervescent tablet
100 mg and 200 mg sachet
100 mg/5 mL granules
for suspension, 150 mLInj.: ★ 200 mg/mL, 10 mL ampul (IV Infusion)
200 mg/mL, 25 mL bottle (IV Infusion)*ALCOHOL, ETHYL*

(for methyl alcohol poisoning)

Oral: 95%, USP grade

★ Inj.: absolute, 1 mL ampul (IV)

ASCORBIC ACID (vitamin C)(for methemoglobinemia
and urine acidification)

Inj.: 250 mg/mL, 2 mL ampul (IV)

ATROPINE(for organophosphate and
carbamate insecticide
poisoning, anticholinesterase
and muscarinic symptoms)

Oral: 600 mcg tablet (as sulfate)

Inj.: 1 mg/mL, 1 mL ampul (IM, IV)
(as sulfate)*BROMOCRIPTINE*(neuroleptic malignant
syndrome)

Oral: 2.5 mg tablet (as mesilate)

*CALCIUM FOLINATE**(leucovorin calcium)*
(for drug-induced
megaloblastic anemia,
formaldehyde and methyl
alcohol poisoning and
methotrexate toxicity)Oral: 15 mg capsule/tablet and 25 mg
tablet (as anhydrous)
(equiv. to 25 mg folinic acid)Inj.: 3 mg/mL, 1 mL ampul (IM, IV)
7.5 mg/mL, 2 mL ampul (IM, IV)
10 mg/mL, 5 mL ampul and 10 mL
vial (IM, IV)
15 mg/mL, 1 mL ampul (IM, IV)
15 mg, 50 mg, 100 mg and 340 mg
vial (IM, IV Infusion)

<i>CALCIUM SALT</i> (for poisoning with white/yellow phosphorus "watusi", organochlorines, and severe jellyfish bites)	Oral: powder, USP grade (as chloride) Inj.: 10% solution, 10 mL ampul (IV) (as gluconate)
<i>COBRA ANTIVENIN</i>	Inj.: 800 IU/mL, 5 mL ampul (IV Infusion)
★ <i>DANTROLENE</i> (1) (for malignant hyperthermia and neuroleptic malignant syndrome)	Oral: 25 mg and 50 mg capsule (as sodium salt) Inj.: 20 mg (with mannitol 3 g)/vial (for reconstitution with 60 mL sterile water for injection) (IV) (as sodium salt)
<i>DEFEROXAMINE</i> (1) (for iron poisoning)	Inj.: powder, 500 mg vial (IM, IV Infusion, SC) (as mesilate) powder, 2 g vial (IM, IV, SC) (as mesilate)
★ <i>DIMERCAPROL</i> (1) (for mercury, lead and arsenic poisoning)	Inj.: (in oil) 50 mg/mL, 2 mL ampul (IM)
<i>DIPHENHYDRAMINE</i> (for phenothiazine extrapyramidal side effects)	Inj.: 50 mg/mL, 1 mL ampul and 10 mL vial (IM, IV) (as hydrochloride)
★ <i>EDROPHONIUM</i> (adjunct for cobra bite)	Inj.: 10 mg/mL, 1 mL ampul (IM, IV) (as chloride)
<i>FLUMAZENIL</i> (for benzodiazepine poisoning)	Inj.: 100 mcg/mL, 5 mL and 10 mL ampul (slow IV, IV Infusion)
<i>GLUCAGON</i> (for toxicity of calcium channel blockers and beta blockers)	Inj.: lyophilized powder, 1 mg + solvent (IM, IV, SC) (as hydrochloride)
★ <i>METHYLENE BLUE</i> (for severe methemoglobinemia)	Oral: 1% solution 55 mg and 65 mg tablet Inj.: 10 mg/mL, 1 mL and 10 mL ampul/vial
★ <i>N-ACETYL PENICILLAMINE</i> (1) (for copper, lead and mercury poisoning)	Oral: crystals, 25 g/bottle

CORE LIST	Complementary List	Route of Administration Pharmaceutical Forms and Strengths
NALOXONE (for opioid poisoning)		Inj.: 20 mcg/mL, 2 mL ampul (IM, IV, SC) (as hydrochloride) 400 mcg/mL, 1 mL ampul (IM, IV, SC) (as hydrochloride)
NALTREXONE (for narcotic addiction and alcoholism)		Oral: 50 mg tablet (as hydrochloride)
PENICILLIN G CRYSTALLINE (benzylpenicillin) (for amanita mushroom poisoning)		Inj.: 1 MU and 5 MU (IM, IV) (as sodium salt)
★ PHYSOSTIGMINE (for atropine poisoning and adjunct to cobra bite)		Inj.: 1 mg/mL, 2 mL ampul (IM, IV) (as salicylate)
PHYTOMENADIONE (phytonadione, vitamin K1) (for warfarin and white or yellow phosphorus "watusi" poisoning)		Oral/Inj.: 2 mg/0.2 mL pediatric ampul (IM, IV, PO) (as mixed micelle) Inj.: 10 mg/mL, 1 mL ampul (IM, IV) (as aqueous colloidal solution with benzyl alcohol) 10 mg/mL, 1 mL ampul (IM, IV) (as mixed micelle)
PROTAMINE SULFATE (for heparin overdosage)		Inj.: 10 mg/mL, 5 mL and 25 mL ampul (IV)
PYRIDOXINE (vitamin B6) (for isoniazid poisoning, hydrogen sulfide poisoning, gynomethrin mushroom poisoning and theophylline poisoning)		Oral: 50 mg tablet (as hydrochloride) Inj.: 100 mg/mL, 10 mL ampul (IM, IV) (as hydrochloride)
★ SODIUM CALCIUM EDETATE (1) (for lead poisoning)		Inj.: 200 mg/mL, 5 mL ampul (IM)
★ SODIUM NITRITE (for cyanide poisoning)		Inj.: 30 mg/mL, 10 mL ampul/vial (IV)
★ SODIUM THIOSULFATE (for cyanide and cisplatin poisoning)		Inj.: 250 mg/mL, 50 mL ampul (IV)
★ SUCCIMER (dimercapto succinic acid, DMSA) (for lead, mercury, arsenic and other heavy metal poisoning)		Oral: 100 mg capsule

★ <i>THIAMINE</i> (for alcohol intoxication)		Inj.: 100 mg/mL, 10 mL vial (as hydrochloride) (IM, IV)
<i>dimercaptopropane- sulphonate (DMPS)</i> (for arsenic and methyl mercury poisoning)		Inj.: 100 mg/mL, 1 mL ampul 10 mL vial (IM)
<i>glyceryl trinitrate</i> (<i>nitroglycerin</i>) (for cyanide and hydrogen sulfide poisoning)		Patch: 5 mg and 10 mg
★ <i>hydroxocobalamin</i> (<i>vitamin B12</i>) (for cyanide poisoning)		Inj.: 1 mg/mL, 1 mL ampul/vial (IM)
★ <i>pralidoxime chloride</i> (for organophosphate insecticide poisoning)		Inj.: 50 mg/mL, 20 mL vial (IV)