

Classes/Categories of Medications
adrenergic agonists: IV (e.g., <i>epiNEPHrine, ePHEDrine, isoproterenol, PHENYLEphrine, norepinephrine, doBUTamine, doPAMine, salbutamol</i>)
adrenergic antagonists: IV (e.g., <i>propranolol, metoPROLOL, labetalol, esmolol</i>)
anesthetic agents: general, inhaled and IV (e.g., <i>propofol, ketamine, sevoflurane, isoflurane, desflurane, etomidate</i>)
antiarrhythmics: IV (e.g., <i>lidocaine, amiodarone, procainamide, adenosine, bretylium, ibutilide</i>)
antithrombotic agents: <ul style="list-style-type: none"> anticoagulants (e.g., <i>warfarin, acenocoumarol, tinzaparin, enoxaparin, dalteparin, danaparoid, unfractionated heparin, sodium citrate</i>) factor Xa inhibitors (e.g., <i>fondaparinux, rivaroxaban</i>) direct thrombin inhibitors (e.g., <i>apixaban, argatroban, bivalirudin, dabigatran</i>) thrombolytics (e.g., <i>alteplase, tenecteplase</i>) glycoprotein IIb/IIIa inhibitors (e.g., <i>eptifibatide, tirofiban, abciximab</i>)
cardioplegic solutions
chemotherapeutic agents: parenteral and oral
dextrose: 20% or greater (<i>hypertonic</i>)
dialysis solutions: peritoneal and hemodialysis
epidural or intrathecal medications
inotropic medications: IV (e.g., <i>digoxin, milrinone</i>)
insulin: subcutaneous and IV
liposomal forms of drugs and conventional counterparts (e.g., <i>amphotericin B, amphotericin B-lipid complex, amphotericin B-liposomal, DOXOrubicin HCL, DOXOrubicin-pegylated liposomal, PACLitaxel, PACLitaxel-nab</i>)
moderate sedation agents: IV (e.g., <i>dexmedetomidine, lorazepam, midazolam</i>)
moderate sedation agents: oral, for children (e.g., <i>chloral hydrate</i>)
narcotics/opioids: IV, transdermal, and oral
neuromuscular blocking agents (e.g., <i>succinylcholine, rocuronium, pancuronium, atracurium, cisatracurium</i>)
parenteral nutrition preparations
sodium chloride for injection: greater than 0.9% (<i>hypertonic</i>)
sterile water for injection, inhalation, and irrigation (excluding pour bottles) in containers of 100 mL or more
sulfonyleureas: oral (e.g., <i>GLICLAzide, glyBURIDE</i>)
vasodilating agents: IV (e.g., <i>epoprostenol, iloprost, treprostinil</i>)

Specific Medications
magnesium sulfate injection
methotrexate: oral for non-oncologic use
nitroprusside sodium for injection
opium tincture
oxytocin: IV
potassium chloride for injection: concentrate
potassium phosphates injection
promethazine: IV
vasopressin: IV or intraosseous



The following medications are also associated with higher risk and must comply with the segregated storage and labelling requirements for high-alert medications. Refer to the *Management of High-alert Medications Policy, Procedure, and Electrolytes Guideline* for labelling specifics:

- calcium chloride IV
- calcium gluconate IV
- potassium acetate IV
- potassium chloride small volume bolus bags
- sodium phosphate IV
- sodium acetate IV

Adapted from Institute for Safe Medication Practice
<http://www.ismp.org/Tools/highalertmedications.pdf>