

## Poison Information ANTIDOTES - Standard Concentrations

| Medication                                     | Standard Concentration |
|--|------------------------|
| acetylcysteine (single concentration protocol) | 30 mg/mL               |
| atropine                                       | 0.2 mg/mL              |
| calcium CHLORIDE                               | 100 mg/mL              |
| calcium GLUCONATE 2%                           | 20 mg/mL               |
| calcium GLUCONATE 10%                          | 100 mg/mL              |
| deferoxamine                                   | 4 mg/mL                |
| dextrose 25% hypertonic (CL preferred)         | 250 mg/mL              |
| digoxin immune fab (DigiFab)                   | 10 mg/mL               |
| digoxin immune fab (DigiFab)                   | 2 mg/mL                |
| dimaval  | 50 mg/mL               |
| fat emulsion (lipid emulsion) 20%              | 0.2 g/mL               |
| flumazenil                                     | 0.04 mg/mL             |
| fomepizole                                     | 25 mg/mL               |
| glucagon                                       | 0.1 mg/mL              |
| hydroxocobalamin                               | 25 mg/mL               |
| insulin REGULAR                                | 16 units/mL            |
| naloxone                                       | 0.1 mg/mL              |
| octreotide                                     | 5 micrograms/mL        |
| pralidoxime                                    | 20 mg/mL               |
| pyridoxine                                     | 50 mg/mL               |
| sodium BICARBONATE                             | 0.15 mEq/mL            |
| sodium THIOSULFATE                             | 250 mg/mL              |

BLUE HIGHLIGHTING INDICATES CHANGE IN CONCENTRATION OR ADDITION OF NEW CONCENTRATION FROM PREVIOUS UPDATE

**Emergency Department (ED) – Standard Concentrations**  
*\*This is NOT an all-inclusive list of every medication in the ED Drug Library\**  
 Also refer to Antidote - Standard Concentrations

| Medication                               | Standard Concentration  | Medication                                | Standard Concentration              |
|--|-------------------------|---|-------------------------------------|
| alprostadil                              | 6 micrograms/mL         | ketamine PAIN                             | 2 mg/mL                             |
| alteplase                                | 1 mg/mL                 | ketamine INTUBATED                        | 10 mg/mL                            |
| aminophylline                            | 5 mg/mL                 | labetalol                                 | 5 mg/mL                             |
| amiodarone (CL / Loading Dose)           | 6 mg/mL                 | levofloxacin                              | 5 mg/mL                             |
| amiodarone (CL or PIV)                   | 2 mg/mL                 | levetiracetam                             | 40 mg/mL                            |
| amoxicillin/clavulanate                  | 20 mg/mL                | linezolid                                 | 2 mg/mL                             |
| amphotericin B conventional              | 0.1 mg/mL               | magnesium sulfate                         | 40 mg/mL                            |
| amphotericin B liposomal                 | 2 mg/mL                 | mannitol                                  | 200 mg/mL                           |
| ampicillin                               | 100 mg/mL               | meropenem                                 | 20 mg/mL                            |
| azithromycin                             | 2 mg/mL                 | methylPREDNISOLONE                        | 10 mg/mL                            |
| calcium CHLORIDE                         | 50 mg/mL                | metoclopramide                            | 0.25 mg/mL                          |
| calcium GLUCONATE                        | 50 mg/mL                | metronIDAZOLE                             | 5 mg/mL                             |
| cefepime                                 | 40 mg/mL                | milrinone                                 | 0.4 mg/mL                           |
| cefTRIAxone                              | 40 mg/mL                | morphine CONTINUOUS                       | 1 mg/mL                             |
| clindamycin                              | 18 mg/mL                | norepinephrine (20 kg or less)            | 0.04 mg/mL                          |
| co-trimoxazole                           | 0.64 mg trimethoprim/mL | norepinephrine (over 20 kg)               | 0.16 mg/mL                          |
| DAPTOmycin                               | 10 mg/mL                | octreotide                                | 5 micrograms/mL                     |
| dantrolene                               | 0.33 mg/mL              | pantoprazole                              | 0.8 mg/mL                           |
| deferoxamine                             | 4 mg/mL                 | penicillin G                              | 0.1 million unit (MU)/mL            |
| dextrose 10%                             | 0.1 g/mL                | phentolamine                              | 0.4 mg/mL                           |
| dextrose 25%                             | 0.25 g/mL               | phenyLEPHRINE                             | 0.1 mg/mL                           |
| dexamethasone                            | 0.4 mg/mL               | PHENobarbital                             | 30 mg/mL                            |
| dexmedetomidine                          | 4 micrograms/mL         | phenyTOIN                                 | 10 mg/mL                            |
| digoxin                                  | 10 micrograms/mL        | piperacillin/tazobactam                   | 80 mg/mL                            |
| DOPamine                                 | 3.2 mg/mL               | potassium (KCl) INT                       | 0.1 mmol/mL<br>(10 mmol/100 mL bag) |
| DOBUtamine                               | 5 mg/mL                 | potassium PHOSPHATE                       | 0.05 mmol/mL                        |
| enalaprilat (dose less than 0.25 mg )    | 0.025 mg/mL             | procainamide                              | 20 mg/mL                            |
| enalaprilat (dose 0.25 mg and over)      | 1.25 mg/mL              | propranolol                               | 1 mg/mL                             |
| EPINEPHrine (20 kg or less)              | 0.05 mg/mL              | propofol                                  | 10 mg/mL                            |
| EPINEPHrine (over 20 kg)                 | 0.2 mg/mL               | ranitidine                                | 0.5 mg/mL                           |
| esmolol                                  | 10 mg/mL                | rifampin                                  | 6 mg/mL                             |
| epoprostenol                             | 3 micrograms/mL         | sodium chloride 3% (hypertonic)           | 0.513 mmol/mL                       |
| fentaNYL                                 | 10 micrograms/mL        | rocuronium                                | 10 mg/mL                            |
| fluconazole                              | 2 mg/mL                 | salbutamol                                | 1 mg/mL                             |
| furosemide CONTINUOUS                    | 2 mg/mL                 | sodium chloride 3% (hypertonic)           | 0.513 mmol/mL                       |
| furosemide INTERMITTENT                  | 10 mg/mL                | sodium BICARBONATE                        | 0.5 mmol/mL                         |
| gentamicin                               | 1 mg/mL                 | sodium BICARBONATE                        | 1 mmol/mL                           |
| glucagon                                 | 0.1 mg/mL               | sodium PHOSPHATE                          | 0.05 mmol/mL                        |
| heparin                                  | 50 units/mL             | tobramycin                                | 10 mg/mL                            |
| hydrocortisone (dose 10 mg and less)     | 2.5 mg/mL               | tranexamic acid                           | 100 mg/mL                           |
| hydrocortisone (dose greater than 10 mg) | 20 mg/mL                | vancomycin                                | 5 mg/mL                             |
| HYDROmorphone (20 kg and less)           | 0.05 mg/mL              | vasopressin Diabetes Insipidus            | 0.16 units/mL                       |
| HYDROmorphone (over 20 kg)               | 0.2 mg/mL               | vasopressin Shock/GI Bleed (3 kg or less) | 0.16 units/mL                       |
| insulin Regular                          | 1 unit/mL               | vasopressin Shock/GI Bleed (over 3 kg)    | 1 unit/mL                           |
| isoproterenol                            | 0.06 mg/mL              |   |                                     |

**IV = Peripheral IV CL = Central Line SAP= Special Access Program**

**BLUE HIGHLIGHTING INDICATES CHANGE IN CONCENTRATION OR ADDITION OF NEW CONCENTRATION FROM PREVIOUS UPDATE**

## Neonatal Intensive Care (NICU) – Standard Concentrations

| Medication                             | Standard Concentration | Medication                         | Standard Concentration    |
|--|------------------------|------------------------------------|---------------------------|
| acetaminophen                          | 10 mg/mL               | ibuprofen                          | 5 mg/mL                   |
| acyclovir                              | 7 mg/mL                | indomethacin                       | 0.05 mg/mL                |
| alprostadil                            | 6 micrograms/mL        | insulin REGULAR                    | 0.08 unit/mL              |
| aminophylline                          | 5 mg/mL                | ketamine PAIN                      | 2 mg/mL                   |
| amiodarone (CL for greater than 1 kg)  | 6 mg/mL                | levETIRAcetam                      | 15 mg/mL                  |
| amiodarone (PIV for greater than 1 kg) | 2 mg/mL                | linezolid                          | 2 mg/mL                   |
| amiodarone (CL & PIV for 1 kg or less) | 2 mg/mL                | magnesium sulfate                  | 40 mg/mL                  |
| amphotericin B CONVENTIONAL            | 0.1 mg/mL              | meropenem                          | 20 mg/mL                  |
| amphotericin B LIPOSOMAL               | 2 mg/mL                | metronIDAZOLE                      | 5 mg/mL                   |
| ampicillin                             | 100 mg/mL              | midazolam (2 kg or less)           | 0.2 mg/mL                 |
| arginine                               | 100 mg/mL              | midazolam (greater than 2 kg)      | 1 mg/mL                   |
| azithromycin                           | 2 mg/mL                | milrinone (2 kg or less)           | 0.2 mg/mL                 |
| caffeine (SAP)                         | 10 mg/mL               | milrinone (greater than 2 kg)      | 0.4 mg/mL                 |
| calcium GLUCONATE                      | 50 mg/mL               | morphine (2 kg or less)            | 0.15 mg/mL                |
| casprofungin                           | 0.45 mg/mL             | morphine (greater than 2 kg)       | 1 mg/mL                   |
| cefOXItin                              | 100 mg/mL              | nitroprusside (2 kg or less)       | 0.15 mg/mL                |
| ciprofloxacin                          | 2 mg/mL                | nitroprusside (greater than 2 kg)  | 1 mg/mL                   |
| cisatracurium                          | 2 mg/mL                | norepinephrine (2 kg or less)      | 0.008 mg/mL               |
| clindamycin                            | 12 mg/mL               | norepinephrine (greater than 2 kg) | 0.04 mg/mL                |
| dexmedetomidine                        | 4 microgram/mL         | octreotide                         | 5 micrograms/mL           |
| digoxin                                | 10 micrograms/mL       | penicillin G                       | 0.1 million units (MU)/mL |
| DOBUtamine (2 kg or less)              | 2 mg/mL                | PHENobarbital (refer to IV manual) | 5 mg/mL                   |
| DOBUtamine (greater than 2 kg)         | 5 mg/mL                | PHENobarbital (refer to IV manual) | 30 mg/mL                  |
| DOPamine (2 kg or less)                | 1.6 mg/mL              | phenyTOIN (under 5 mg)             | 2.5 mg/mL                 |
| DOPamine (greater than 2 kg)           | 3.2 mg/mL              | phenyTOIN (5 mg & over)            | 10 mg/mL                  |
| enalaprilat                            | 0.025 mg/mL            | phytonadione (Vitamin K)           | 2 mg/mL                   |
| EPINEPHrine                            | 0.05 mg/mL             | piperacillin/tazobactam            | 80 mg/mL                  |
| epoprostenol (2 kg or less)            | 0.5 micrograms/mL      | potassium CHLORIDE                 | 1 mmol/mL                 |
| epoprostenol (greater than 2 kg)       | 3 micrograms/mL        | procainamide                       | 4 mg/mL                   |
| erythromycin                           | 2.5 mg/mL              | propranolol (under 0.5 mg)         | 0.05 mg/mL                |
| esmolol                                | 10 mg/mL               | propranolol (0.5 mg & over)        | 1 mg/mL                   |
| ethacrynic acid                        | 1 mg/mL                | ranitidine                         | 0.5 mg/mL                 |
| fat emulsion 20%                       | 0.2 g/mL               | rifampin                           | 6 mg/mL                   |
| fentaNYL INTERMITTENT                  | 2 micrograms/mL        | rocuronium (2 kg or less)          | 2 mg/mL                   |
| fentaNYL CONTINUOUS                    | 10 micrograms/mL       | rocuronium (greater than 2 kg)     | 10 mg/mL                  |
| filgrastim (G-CSF)                     | 20 micrograms/mL       | salbutamol                         | 0.02 mg/mL                |
| fish oil emulsion                      | 0.1 g/mL               | sodium benzoate/phenyl acetate     | 10 mg/mL                  |
| fluconazole                            | 2 mg/mL                | sodium bicarbonate                 | 0.5 mmol/L                |
| furosemide (2 kg or less)              | 0.5 mg/mL              | sodium chloride 3% (hypertonic)    | 0.513 mmol/mL             |
| furosemide (greater than 2 kg)         | 2 mg/mL                | tobramycin                         | 2 mg/mL                   |
| ganciclovir                            | 5 mg/mL                | vasopressin (3 kg or less)         | 0.16 units/mL             |
| gentamicin                             | 1 mg/mL                | vasopressin (greater than 3 kg)    | 1 unit/mL                 |
| glucagon                               | 40 micrograms/mL       | vancomycin                         | 5 mg/mL                   |
| heparin                                | 50 units/mL            | voriconazole                       | 2 mg/mL                   |
| hydrALAZINE                            | 1 mg/mL                | zidovudine                         | 2 mg/mL                   |

*PIV = peripheral intravenous line CL = central line SAP = Special Access Program*

**BLUE HIGHLIGHTING INDICATES CHANGE IN CONCENTRATION OR ADDITION OF NEW CONCENTRATION FROM PREVIOUS UPDATE**

## Pediatrics – Standard Concentrations

| Medication                                     | Standard Concentration  | Medication                     | Standard Concentration   |
|--|-------------------------|--------------------------------|--------------------------|
| abatacept                                      | 10 mg/mL                | inFLIXimab                     | 4 mg/mL                  |
| acetaminophen                                  | 10 mg/mL                | insulin Regular                | 1 unit/mL                |
| acetylcysteine (single concentration protocol) | 30 mg/mL                | Iron SUCROSE                   | 1 mg/mL                  |
| acyclovir                                      | 7 mg/mL                 | iron elemental (Ferlecit®)     | 12.5 mg/mL               |
| aminophylline                                  | 5 mg/mL                 | ketamine PAIN                  | 2 mg/mL                  |
| amoxicillin/clavulanate                        | 20 mg/mL                | labetalol                      | 5 mg/mL                  |
| amphotericin B conventional                    | 0.1 mg/mL               | leucovorin                     | 10 mg/mL                 |
| amphotericin B liposomal                       | 2 mg/mL                 | levETIRAcetam                  | 40 mg/mL                 |
| ampicillin                                     | 100 mg/mL               | levocarnitine                  | 8 mg/mL                  |
| antithymocyte globulin (equine)                | 4 mg/mL                 | levofloxacin                   | 5 mg/mL                  |
| antithymocyte globulin (rabbit)                | 0.5 mg/mL               | linezolid                      | 2 mg/mL                  |
| arginine                                       | 100 mg/mL               | magnesium sulfate              | 40 mg/mL                 |
| azithromycin                                   | 2 mg/mL                 | mannitol                       | 200 mg/mL                |
| bivalirudin                                    | 5 mg/mL                 | meropenem                      | 20 mg/mL                 |
| caffeine                                       | 10 mg/mL                | mesna                          | 10 mg/mL                 |
| calcium GLUCONATE                              | 50 mg/mL                | methotrimeprazine              | 0.2 mg/mL                |
| caspofungin                                    | 0.45 mg/mL              | methyLPREDNISOLONE             | 10 mg/mL                 |
| cefepime                                       | 40 mg/mL                | metoclopramide                 | 0.25 mg/mL               |
| cefTRIAxone                                    | 40 mg/mL                | metroNIDAZOLE                  | 5 mg/mL                  |
| chlorproMAZINE                                 | 1 mg/mL                 | midazolam                      | 1 mg/mL                  |
| ciprofloxacin                                  | 2 mg/mL                 | milrinone                      | 0.4 mg/mL                |
| clindamycin                                    | 18 mg/mL                | morphine CONTINUOUS            | 1 mg/mL                  |
| co-trimoxazole                                 | 0.64 mg trimethoprim/mL | morphine INTERMITTENT          | 2 mg/mL                  |
| co-trimoxazole (fluid restricted)              | 1.6 mg trimethoprim/mL  | mycophenolate                  | 6 mg/mL                  |
| cycloSPORINE                                   | 2 mg/mL                 | naloxone                       | 4 micrograms/mL          |
| DAPTOmycin                                     | 10 mg/mL                | octreotide                     | 5 micrograms/mL          |
| deferoxamine                                   | 4 mg/mL                 | ondansetron                    | 0.5 mg/mL                |
| desmopressin                                   | 0.5 micrograms/mL       | pamidronate                    | 0.1 mg/mL                |
| dexamethasone                                  | 0.4 mg/mL               | pantoprazole                   | 0.8 mg/mL                |
| dexmedetomidine                                | 4 microgram/mL          | penicillin G                   | 0.1 million unit (MU)/mL |
| dexrazoxane                                    | 3 mg/mL                 | pentamidine                    | 6 mg/mL                  |
| dimenhyDRINATE                                 | 5 mg/mL                 | PHENobarbital                  | 30 mg/mL                 |
| diphenhydrAMINE                                | 10 mg/mL                | phenyTOIN                      | 10 mg/mL                 |
| DOBUTamine                                     | 5 mg/mL                 | phytonadione (vitamin K1)      | 10 mg/mL                 |
| elosulfase                                     | 0.5 mg/mL               | piperacillin/tazobactam        | 80 mg/mL                 |
| enalaprilat (dose less than 0.25 mg )          | 0.025 mg/mL             | potassium CHLORIDE             | 0.1 mmol/mL              |
| enalaprilat (dose 0.25 mg and over)            | 1.25 mg/mL              | potassium PHOSPHATE            | 0.05 mmol/mL             |
| ertapenem                                      | 20 mg/mL                | propranolol                    | 1 mg/mL                  |
| erythromycin                                   | 2.5 mg/mL               | ranitidine                     | 0.5 mg/mL                |
| ethacrynic acid                                | 1 mg/mL                 | rifampin                       | 6 mg/mL                  |
| fat emulsion 20%                               | 0.2 g/mL                | riTUXimab                      | 4 mg/mL                  |
| fentaNYL                                       | 10 micrograms/mL        | sodium benzoate/phenyl acetate | 10 mg/mL                 |
| fish oil emulsion                              | 0.1 g/mL                | sodium BICARBONATE             | 0.5 mmol/mL              |
| fluconazole                                    | 2 mg/mL                 | sodium PHOSPHATE               | 0.05 mmol/mL             |
| furosemide CONTINUOUS                          | 2 mg/mL                 | sodium THIOSULFATE (Onc)       | 125 mg/mL                |
| furosemide INTERMITTENT                        | 10 mg/mL                | sotrovimab                     | 5 mg/mL                  |
| galsulfase                                     | 0.2 mg/mL               | tacrolimus                     | 10 micrograms/mL         |
| ganciclovir                                    | 5 mg/mL                 | tobramycin                     | 10 mg/mL                 |
| gentamicin                                     | 1 mg/mL                 | tocilizumab                    | 8 mg/mL                  |
| heparin  | 50 units/mL             | tranexamic acid                | 100 mg/mL                |
| hydrocortisone (dose 10 mg and less)           | 2.5 mg/mL               | ustekinumab                    | 2 mg/mL                  |
| hydrocortisone (dose greater than 10 mg)       | 20 mg/mL                | vancomycin                     | 5 mg/mL                  |
| HYDROmorphone (20 kg and less)                 | 0.05 mg/mL              | vasopressin Diabetes insipidus | 0.16 units/mL            |
| HYDROmorphone (over 20 kg)                     | 0.2 mg/mL               | voriconazole                   | 2 mg/mL                  |
| idursulfase                                    | 0.3 mg/mL               | zoledronic acid                | 0.05 mg/mL               |

**BLUE HIGHLIGHTING INDICATES CHANGE IN CONCENTRATION OR ADDITION OF NEW CONCENTRATION FROM PREVIOUS UPDATE**

## Pediatric Intensive Care (PICU) – Standard Concentrations

| Medication                                     | Standard Concentration  | Medication   | Standard Concentration    |
|--|-------------------------|--|---------------------------|
| acyclovir                                      | 7 mg/mL                 | isoproterenol  | 0.06 mg/mL                |
| acetaminophen                                  | 10 mg/mL                | ketamine INTUBATED   | 10 mg/mL                  |
| acetylcysteine (single concentration protocol) | 30 mg/mL                | ketamine PAIN  | 2 mg/mL                   |
| alprostadil                                    | 6 micrograms/mL         | labetolol  | 5 mg/mL                   |
| alteplase                                      | 1 mg/mL                 | levofloxacin   | 5 mg/mL                   |
| aminophylline                                  | 5 mg/mL                 | levosimendan   | 0.05 mg/mL                |
| amiodarone (CL/ loading dose)                  | 6 mg/mL                 | lidocaine  | 4 mg/mL                   |
| amiodarone (PIV)                               | 2 mg/mL                 | linezolid  | 2 mg/mL                   |
| amoxicillin/clavulanate                        | 20 mg/mL                | magnesium sulfate  | 40 mg/mL                  |
| amphotericin B CONVENTIONAL                    | 0.1 mg/mL               | mannitol   | 200 mg/mL                 |
| amphotericin B LIPOSOMAL                       | 2 mg/mL                 | meropenem  | 20 mg/mL                  |
| ampicillin                                     | 100 mg/mL               | methyPREDNISOLONE  | 10 mg/mL                  |
| arginine                                       | 100 mg/mL               | metoclopramide   | 0.25 mg/mL                |
| ascorbic acid                                  | 100 mg/mL               | midazolam  | 1 mg/mL                   |
| azithromycin                                   | 2 mg/mL                 | metronIDAZOLE  | 5 mg/mL                   |
| bivalirudin                                    | 5 mg/mL                 | milrinone  | 0.4 mg/mL                 |
| caffeine (SAP)                                 | 10 mg/mL                | morphine CONTINUOUS  | 1 mg/mL                   |
| calcium CHLORIDE                               | 50 mg/mL                | morphine INTERMITTENT  | 2 mg/mL                   |
| calcium GLUCONATE                              | 50 mg/mL                | naloxone   | 4 micrograms/mL           |
| caspofungin                                    | 0.45 mg/mL              | nitroGLYCERIN  | 0.4 mg/mL                 |
| cefepime                                       | 40 mg/mL                | nitroGLYCERIN /phentolamine  | 0.4 mg/mL                 |
| cefTRIAXONE                                    | 40 mg/mL                | nitroprusside (for patients 2 kg or less OR for cardiac surgery patients)  | 0.15 mg/mL                |
| ciprofloxacin                                  | 2 mg/mL                 | nitroprusside (for patients over 2 kg)                                     | 1 mg/mL                   |
| cisatracurium                                  | 2 mg/mL                 | norepinephrine (for patients 2 kg or less OR for cardiac surgery patients) | 0.008 mg/mL               |
| clindamycin                                    | 18 mg/mL                | norepinephrine (over 2 kg and up to 20 kg)                                 | 0.04 mg/mL                |
| co-trimoxazole                                 | 0.64 mg trimethoprim/mL | norepinephrine (over 20 kg)  | 0.16 mg/mL                |
| co-trimoxazole (FLUID RESTRICTED)              | 1.6 mg trimethoprim/mL  | octreotide   | 5 micrograms/mL           |
| cycloSPORINE                                   | 2 mg/mL                 | ondansetron  | 0.5 mg/mL                 |
| cycloSPORINE                                   | 2 mg/mL                 | pantoprazole   | 0.8 mg/mL                 |
| dantrolene                                     | 0.33 mg/mL              | penicillin G   | 0.1 million units (MU)/mL |
| DAPTOmycin                                     | 10 mg/mL                | pentamidine  | 6 mg/mL                   |
| desmopressin                                   | 0.5 micrograms/mL       | PHENobarbital  | 30 mg/mL                  |
| dexamethasone                                  | 0.4 mg/mL               | phentolamine   | 0.4 mg/mL                 |
| dexmedetomidine                                | 4 micrograms/mL         | phenyLEPHrine  | 0.1 mg/mL                 |
| digoxin  | 10 micrograms/mL        | phenyTOIN  | 10 mg/mL                  |
| DOBUTamine                                     | 5 mg/mL                 | piperacillin/tazobactam  | 80 mg/mL                  |
| DOPAmine                                       | 3.2 mg/mL               | potassium CHLORIDE   | 1 mmol/mL                 |
| enalaprilat (dose less than 0.25 mg)           | 0.025 mg/mL             | potassium PHOSPHATE  | 0.05 mmol/mL              |
| enalaprilat (dose 0.25 mg and over)            | 1.25 mg/mL              | procainamide   | 20 mg/mL                  |
| EPINEPHrine (for cardiac surgery patients)     | 0.012 mg/mL             | propofol   | 10 mg/mL                  |
| EPINEPHrine (20 kg and less)                   | 0.05 mg/mL              | propranolol  | 1 mg/mL                   |
| EPINEPHrine (over 20 kg)                       | 0.2 mg/mL               | ranitidine   | 0.5 mg/mL                 |
| epoprostenol                                   | 3 micrograms/mL         | ranitidine (FLUID RESTRICTED)  | 2 mg/mL                   |
| erythromycin                                   | 2.5 mg/mL               | rifampin   | 6 mg/mL                   |
| esmolol  | 10 mg/mL                | rocuronium   | 10 mg/mL                  |
| fat emulsion 20%                               | 0.2 g/mL                | salbutamol   | 1 mg/mL                   |
| fentaNYL                                       | 10 micrograms/mL        | sodium benzoate/phenylacetate  | 10 mg/mL                  |
| fentaNYL (FLUID RESTRICTED)                    | 50 micrograms/mL        | sodium BICARBONATE (PIV)   | 0.5 mmol/mL               |
| fish oil emulsion                              | 0.1 g/mL                | sodium BICARBONATE (CL)  | 1 mmol/mL                 |
| fluconazole                                    | 2 mg/mL                 | sodium chloride 3% (hypertonic)  | 0.513 mmol/mL             |
| furosemide CONTINUOUS                          | 2 mg/mL                 | sodium PHOSPHATE   | 0.05 mmol/mL              |
| furosemide INTERMITTENT                        | 10 mg/mL                | tobramycin   | 10 mg/mL                  |
| ganciclovir                                    | 5 mg/mL                 | tranexamic acid  | 100 mg/mL                 |
| gentamicin                                     | 1 mg/mL                 | vancomycin   | 5 mg/mL                   |
| heparin  | 50 units/mL             | vancomycin (FLUID RESTRICTED)  | 10 mg/mL                  |
| hydrocortisone (dose 10 mg and less)           | 2.5 mg/mL               | vasopressin Diabetes Insipidus   | 0.16 units/mL             |
| hydrocortisone (dose greater than 10 mg)       | 20 mg/mL                | vasopressin Shock/GI Bleed (3 kg or less)                                  | 0.16 units/mL             |
| HYDROMorphone (20 kg and less)                 | 0.05 mg/mL              | vasopressin Shock/GI Bleed (over 3 kg)                                     | 1 unit/mL                 |
| HYDROMorphone (over 20 kg)                     | 0.2 mg/mL               | voriconazole   | 2 mg/mL                   |
| inFLIXimab                                     | 4 mg/mL                 |  |                           |
| iron SUCROSE                                   | 1 mg/mL                 |  |                           |
| insulin REGULAR                                | 1 unit/mL               |  |                           |

BLUE HIGHLIGHTING INDICATES CHANGE IN CONCENTRATION OR ADDITION OF NEW CONCENTRATION FROM PREVIOUS UPDATE

**PIV = peripheral intravenous line CL = central line SAP = Special Access Program**

## Medical Day – Standard Concentrations

| Medication                               | Standard Concentration |
|--|------------------------|
| abatacept                                | 10 mg/mL               |
| cefTRIAXone                              | 40 mg/mL               |
| Elosulfase                               | 0.5 mg/mL              |
| ferric GLUCONATE                         | 12.5 mg/mL             |
| galsulfase                               | 0.2 mg/mL              |
| hydrocortisone (dose 10 mg and less)     | 2.5 mg/mL              |
| hydrocortisone (dose greater than 10 mg) | 20 mg/mL               |
| idursulfase                              | 0.3 mg/mL              |
| inFLIXimab                               | 4 mg/mL                |
| iron SUCROSE                             | 1 mg/mL                |
| methyLPREDNISOLONE                       | 10 mg/mL               |
| ondansetron                              | 0.5 mg/mL              |
| pamidronate                              | 0.1 mg/mL              |
| ranitidine                               | 0.5 mg/mL              |
| rituximab                                | 4 mg/mL                |
| sotrovimab                               | 5 mg/mL                |
| zoledronic acid                          | 0.05 mg/mL             |

BLUE HIGHLIGHTING INDICATES CHANGE IN CONCENTRATION OR ADDITION OF NEW CONCENTRATION FROM PREVIOUS UPDATE

## Pediatric OR – BBraun Pump Medication Concentrations

| Medication                                     | Standard Concentration | Medication                     | Standard Concentration    |
|--|------------------------|--------------------------------|---------------------------|
| acetaminophen                                  | 10 mg/mL               | lidocaine                      | 4 mg/mL                   |
| acetylcysteine (single concentration protocol) | 30 mg/mL               | lipid emulsion 20% (antidote)  | 0.2 g/mL                  |
| acyclovir                                      | 7 mg/mL                | magnesium sulfate              | 40 mg/mL                  |
| alprostadil                                    | 6 micrograms/mL        | mannitol                       | 0.2 g/mL                  |
| alteplase                                      | 1 mg/mL                | metronIDAZOLE                  | 5 mg/mL                   |
| aminophylline                                  | 5 mg/mL                | midazolam                      | 0.05 mg/mL                |
| amiodarone (CL/ loading dose)                  | 6 mg/mL                | midazolam                      | 1 mg/mL                   |
| amiodarone (PIV)                               | 2 mg/mL                | milrinone                      | 0.4 mg/mL                 |
| amoxicillin/clavulanate                        | 20 mg/mL               | morphine                       | 1 mg/mL                   |
| calcium CHLORIDE 5%                            | 50 mg/mL               | morphine                       | 2 mg/mL                   |
| calcium GLUCONATE 5%                           | 50 mg/mL               | NaCl 3 % hypertonic            | 0.513 mmol/ml             |
| cisatracurium                                  | 1 mg/mL                | naloxone                       | 4 micrograms/mL           |
| cisatracurium (default)                        | 2 mg/mL                | NERVE ropivacaine              | 1 mg/mL                   |
| clindamycin                                    | 18 mg/mL               | NERVE ropivacaine              | 2 mg/mL                   |
| dexmedetomidine                                | 4 micrograms/mL        | nitroGLYCERIN                  | 0.4 mg/mL                 |
| digoxin  | 10 micrograms/mL       | nitroGLYCERIN /phentolamine    | 0.4 mg/mL                 |
| DOBUTamine                                     | 2 mg/mL                | nitroprusside                  | 0.15 mg/mL                |
| DOBUTamine                                     | 5 mg/mL                | nitroprusside                  | 1 mg/mL                   |
| DOPamine                                       | 1.6 mg/mL              | norepinephrine                 | 0.008 mg/mL               |
| DOPamine                                       | 3.2 mg/mL              | norepinephrine                 | 0.04 mg/mL                |
| EPD ropivacaine 0.1%                           | 1 mg/mL                | norepinephrine                 | 0.16 mg/mL                |
| EPD ropivacaine 0.15%                          | 1.5 mg/mL              | penicillin G                   | 0.1 million units (MU)/mL |
| EPD ropivacaine 0.2%                           | 2 mg/mL                | PHENobarbital                  | 5 mg/mL                   |
| EPD ropi 0.1% +HYDROMorph                      | 1 mg/mL                | PHENobarbital                  | 30 mg/mL                  |
| EPD ropi 0.15% + HYDROMorph                    | 1.5 mg/mL              | phentolamine                   | 0.4 mg/mL                 |
| EPD ropi 0.2% + HYDROMorph                     | 2 mg/mL                | phenylePHrine                  | 0.1 mg/mL                 |
| EPINEPHrine                                    | 0.012 mg/mL            | phenytoIN                      | 10 mg/mL                  |
| EPINEPHrine                                    | 0.05 mg/mL             | phytonadione (Vit K)           | 10 mg/mL                  |
| EPINEPHrine                                    | 0.2 mg/mL              | potassium CHLORIDE             | 1 mmol/mL                 |
| epoprostenol                                   | 3 micrograms/mL        | potassium PHOSPHATE            | 0.05 mmol/mL              |
| esmolol  | 10 mg/mL               | procainamide                   | 20 mg/mL                  |
| fentaNYL                                       | 10 micrograms/mL       | propofol                       | 10 mg/mL                  |
| fentaNYL                                       | 50 micrograms/mL       | remifentanil                   | 10 microgram/mL           |
| flumazenil                                     | 0.04 mg/mL             | remifentanil                   | 25 microgram/mL           |
| furosemide                                     | 0.5 mg/mL              | remifentanil                   | 50 microgram/mL           |
| furosemide                                     | 2 mg/mL                | rocuronium                     | 2 mg/mL                   |
| gentamicin                                     | 1 mg/mL                | rocuronium (default)           | 10 mg/mL                  |
| heparin  | 50 units/mL            | sodium BICARBONATE (PIV)       | 0.5 mmmol/mL              |
| HYDROMorphone                                  | 0.05 mg/mL             | sodium BICARBONATE (CL)        | 1 mmmol/mL                |
| HYDROMorphone                                  | 0.2 mg/mL              | sodium PHOSPHATE               | 0.05 mmol/mL              |
| insulin REGULAR                                | 1 unit/mL              | SUFentanil                     | 1 microgram/mL            |
| isoproterenol                                  | 0.06 mg/mL             | SUFentanil                     | 5 microgram/mL            |
| IV + KCl 20 mmol/L                             | 0.02 mmol/mL           | tobramycin                     | 10 mg/mL                  |
| IV + KCl 40 mmol/L                             | 0.04 mmol/mL           | tranexamic acid                | 100 mg/mL                 |
| IV + KCl 60 mmol/L                             | 0.06 mmol/mL           | vancomycin                     | 5 mg/mL                   |
| ketamine INTUBATED                             | 10 mg/mL               | vasopressin Diabetes Insipidus | 0.16 units/mL             |
| labetolol                                      | 5 mg/mL                | vasopressin Shock/GI Bleed     | 1 unit/mL                 |

**BLUE HIGHLIGHTING INDICATES CHANGE IN CONCENTRATION OR ADDITION OF NEW CONCENTRATION FROM PREVIOUS UPDATE**

*PIV = peripheral intravenous line CL = central line SAP = Special Access Program*