

Drug	Starting Dose	 Up Titration Dose	 Up Titration Time	 Maximum Dose	 Down Titration Dose	 Down Titration Time
angiotensin II (Giapreza)	10 ng/kg/min	5-15 ng/kg/min	5 minutes	40 - 80 ng/kg/min	5 - 15ng/kg/min	5-15 minutes
cisatracurium (Nimbex)	1-3 mcg/kg/min	0.5 mcg/kg/min	15 minutes	10 mcg/kg/min	0.25 mcg/kg/min	30 minutes
cleveldipine (Cleviprex)	1-2 mg/hr	1-2 mg/hr	5 minutes	16 (*32) mg/hr	1-2 mg/hr	5-15 minutes
dexmedetomidine (Precedex)	0.2 - 0.5 mcg/kg/hr	0.1 mcg/kg/hr	30 minutes	1.4 mcg/kg/hr	0.1 mcg/kg/hr	15 minutes
diltiazem (Cardizem)	2.5 - 5 mg/hr	2.5 mg/hr	15 minutes	15 mg/hr	1 mg/hr	30 minutes
DOBUTamine (DOButrex)	2.5 - 10 mcg/kg/min	2.5 mcg/kg/min	15 minutes	20 mcg/kg/min	2.5 mcg/kg/min	15 minutes
DOPamine	2.5-10 mcg/kg/min	2.5 - 5 mcg/kg/min	5 minutes	20 mcg/kg/min	1 mcg/kg/min	30 minutes
EPINEPHrine	0.02 - 0.2 mcg/kg/min	0.02 mcg/kg/min	5 minutes	2 mcg/kg/min	0.01 mcg/kg/min	15 minutes
esmolol	50 mcg/kg/min	25 mcg/kg/min	5 minutes	300 mcg/kg/min	25 mcg/kg/min	15 minutes
fentaNYL	25 - 100 mcg/hr	12.5 mcg/hr	30 minutes	500 mcg/hr	12.5 mcg/hr	1 hour
isoproterenol (Isuprel)	2 mcg/min	0.5 - 1 mcg/min	5 minutes	10 mcg/min	1 mcg/min	30 minutes
*ketamine (intubated patients only)	2.5 mck/kg/min	2.5 mcg/kg/min	15 minutes	20 mcg/kg/min	2.5 mcg/kg/min	15 minutes
labetalol	0.5 - 2 mg/min	0.1 mg/min	15 minutes	3 mg/min	0.1 mg/min	30 minutes
lidocaine	1 mg/min	0.5 mg/min	10 minutes	4 mg/min	0.25 mg/min	30 minutes
LORazepam (Ativan)	0.5 - 2 mg/hr	0.5 mg/hr	30 minutes	5 mg/hr	0.25 mg/hr	30 minutes
midazolam (Versed)	0.5 - 2 mg/hr	0.5 mg/hr	30 minutes	5 mg/hr	0.5 mg/hr	30 minutes
morphine	0.5 - 2 mg/hr	0.5 mg/hr	30 minutes	10 mg/hr	0.25 mg/hr	30 minutes
niCARDipine (Cardene)	2.5 - 5 mg/hr	2.5 mg/hr	5 - 15 minutes	15 mg/hr	1 mg/hr	10 minutes
nitroglycerin (Tridil)	5 - 20 mcg/min	5 - 20 mcg/min	3 - 5 minutes	400 mcg/min	5 - 20 mcg/min	15 minutes
nitroprusside (Nipride)	0.3 mcg/kg/min	0.2 mcg/kg/min	3 - 5 minutes	10 mcg/kg/min	0.1 mcg/kg/min	15 minutes
NORepinephrine (Levophed)	0.02 - 0.2 mcg/kg/min	0.02 mcg/kg/min	5 minutes	3 mcg/kg/min	0.02 mcg/kg/min	15 minutes
PHENYLEphrine (NeoSynephrine)	0.5 mcg/kg/min	0.5 mcg/kg/min	5 minutes	5 mcg/kg/min	0.1 mcg/kg/min	15 minutes
Propofol	5-10 mcg/kg/min	5 mcg/kg/min	5 minutes	50 mcg/kg/min	2.5 mcg/kg/min	15 minutes
REMifentanil (Ultiva)	0.05 mcg/kg/min	0.025mcg/kg/min	5 minutes	0.2 mcg/kg/min	0.025 mcg/kg/min	5 minutes
vecuronium (Norcuron)	0.5 - 1 mcg/kg/min	0.5 mcg/kg/min	15 minutes	2 mcg/kg/min	0.5 mcg/kg/min	15 minutes

This table is a guideline only and does not supersede provider orders in Epic. All titrations must be made per Epic orders per nursing scope of practice.

If you need to titrate differently for an individual patient, you must obtain a provider order to change the titration dose/rate

When preparing infusion lines group like medications together (ex: all vasopressors in one lumen, all sedatives in another) consider medications you would NOT want to bolus insulin, heparin, paralytics.

Consider what medications can go peripherally safely.

Consider where your "push port" will be for emergencies - set that line up to basic fluids at a KVO rate can hang electrolyte replacements/piggybacks from that line.

Pressors/sedatives/paralytics should go centrally if possible.

Check compatibility of all medications before running them through the same IV tubing.