

## Drug Infusions for Intensive Care

	DRUG	RECOMMENDED DILUTION	INFUSION RATE RANGE (mL/hr)	INFUSION RATE RANGE (mcg/kg/min)	LOADING DOSE	NOTES
01	ADENOSINE				0.0375mg/kg	a
02	ADRENALINE	3 mg/50 mL N/S ** (60 mcg/mL)	2 - 20 +	0.03 - 0.3		b
03	AMINOPHYLLINE	500 mg/50 mL N/S	0.5 - 0.6 mg/kg/hr		5 mg/kg	c,d
04	AMIODARONE	1200 mg/50 mL D5W	2		5mg/kg	e
05	CLONAZEPAM	5 mg/50 mL N/S	2	3 mcg/kg/hr	0.004 mg/kg	f
06	DOBUTAMINE	250 mg/50 mL N/S	2 - 20			b,g
07	DOPAMINE	200 mg/50 mL N/S (4000 mcg/mL)	2 - 20	1.9 - 19.0		b,h
08	ESMOLOL	2.5 g in 250 mL N/S		50 - 200	0.5 mg/kg	i
09	G.T.N. (NITROGLYCERINE)	50 mg/50 mL N/S (500 mcg/mL)	1 -10	0.12 - 1.2		j
10	HEPARIN	25,000 U /500 mL N/S or 10,000 U / 50 mL	titrate to aPTT	1000 units/hr	5000 units	
11	INSULIN (Actrapid)	50 units/50 mL N/S	titrate to BSL (0.5 - 5)		titrate	k
12	ISOPRENALINE	3 mg/50 mL N/S	1 - 30	0.01 - 0.3		a,l
13	LIGNOCAINE	2 g/500 mL N/S	15 - 60	1 - 4 mg/min	1.5 mg/kg	m

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14	MILRINONE	10 mg/50 mL N/S	8 - 16	0.375 - 0.75	0.05mg/kg	
15	NALOXONE	2 mg (5 x 0.4 mg) in 500 mL N/S		> 1 mcg/kg/hr		
16	NIMODIPINE	10 mg / 50 mL	2 - 10			q
17	NORADRENALINE	4 mg/50 mL N/S	2 - 20 +	0.04 - 0.38		b,n
18	OCTREOTIDE	500 mcg / 50 mL N/S	2 - 5	25 - 50 mcg/hr		o
19	SALBUTAMOL	5 mg/500 mL N/S	30 - 60	0.07		
20	S.N.P (Na NITROPRUSSIDE)	25 mg/50 mL N/S	1 - 20	0.1 - 2.38		p

## Notes

**\*\* In general: dilution of 3 mg / 50mL ° mL/hr = mcg/min**

- No infusion. See "anaesthesia drugs common boluses" page.
- Dilution suitable for central venous infusion only. If infusing through a peripheral vein, dilute drug 10 times (eg. 3mg of adrenaline in 500 mL N/S instead of 50 mL N/S) and increase infusion rate by a factor of ten (eg. 10 mL/hr instead of 1 mL/hr).
- Note change in infusion rate parameters (dose range).
- Give aminophylline loading dose over 20 minutes . Do NOT administer loading dose if on aminophylline already.
- Only compatible with D5W. Irritating to peripheral veins : need large peripheral or CVC. ECG monitoring advisable.
- Loading dose 0.25 mg iv boluses up to 5 mg over 30 minutes in a 70 kg patient.