

DRUG COMPATIBILITY CHART FOR PICU CONTINUOUS INFUSIONS

2020 UPDATE

	Adrenaline	Amiodarone	Clonidine	Dexmedetomidine	Dobutamine	Dopamine	Esmolol	Fentanyl	Furoseamide	GTN	Heparin	Ketamine	Lidocaine	Midazolam	Milrinone	Morphine	Nitroprusside	Noradrenaline	Oxycodone	Rocuronium	Sildenafil	Vasopressin
Adrenaline		C	C	N	C	C	?	C	C	C	C	C	?	G	C	C	C	C	?	C	C	C
Amiodarone	C		?	C	C	C	G	C	M1	C	I	C	C	G	G	G	M2	C	?	G	?	C
Clonidine	C	?		?	C	C	?	C	?	C	C	C	?	M3	?	C	?	C	?	C	?	?
Dexmedetomidine	N	C	?		N	N	N	C	N	?	N	?	N	C	N	C	N	N	?	N	?	C
Dobutamine	C	C	C	N		C	?	C	M2	C	N	C	C	I	C	C	C	C	?	C	?	C
Dopamine	C	C	C	N	C		C	C	M2	C	C	C	C	C	C	C	C	C	?	C	?	C
Esmolol	?	G	?	N	?	C		C	I	C	G	?	?	C	?	C	G	C	?	C	?	?
Fentanyl	C	C	C	C	C	C	C		C	C	C	C	C	C	C	C	?	C	?	C	?	?
Furoseamide	C	M1	?	N	M2	M2	?	C		M2	C	I	C	I	I	I	C	C	?	I	?	I
GTN	C	C	C	?	C	C	C	C	M2		C	?	C	C	C	C	C	C	?	I	?	C
Heparin	C	I	C	N	N	C	G	C	C	C		I	C	C	C	C	C	C	?	C	N	C
Ketamine	C	C	C	?	C	C	?	C	I	?	I		?	C	C	C	?	?	C	?	?	?
Lidocaine	?	C	?	N	C	C	?	C	C	C	C	?		C	I	C	C	C	?	?	?	C
Midazolam	G	G	M3	C	I	C	C	C	I	C	C	C	C		G	C	C	C	C	C	?	?
Milrinone	C	G	?	N	C	C	?	C	I	C	C	C	I	G		C	C	C	?	C	C	C
Morphine	C	G	C	C	C	C	C	C	I	C	C	C	C	C	C		C	C	?	C	?	?
Nitroprusside	C	M2	?	N	C	C	G	?	C	C	C	?	C	C	C	C		G	?	G	?	?
Noradrenaline	C	C	C	N	C	C	C	C	C	C	C	?	C	C	C	C	C	G		?	C	C
Oxycodone	?	?	?	?	?	?	?	?	?	?	?	C	?	C	?	?	?	?	?	?	?	?
Rocuronium	C	G	C	N	C	C	C	C	I	I	C	?	?	C	C	C	G	C	?		?	?
Sildenafil	C	?	?	?	?	?	?	?	?	?	I	?	?	?	C	?	?	C	?	?		C
Vasopressin	C	C	?	C	C	C	?	?	I	C	C	?	C	?	C	?	?	C	?	?	C	

If compatible always check tubing below Y – Site carefully for discolouration, cloudiness, and/or precipitation.

? = unknown compatibility, not advisable

- C= compatible
- I= incompatible
- G= compatible if both drugs are diluted in glucose 5%w/v
- N= compatible if both drugs are diluted in sodium chloride 0.9%w/v
- M1= mixed information; compatibility depends on concentrations. In one study, Furoseamide 50mg/50mL glucose 5% was compatible with Amiodarone 300mg/50mL

glucose 5% (C). However, when neat furoseamide (10mg/mL) was used, there was immediate precipitation (I)

- M2= mixed information. **Do not y-site without contacting pharmacy.**
- M3 = mixed information; compatibility depends on concentrations. In one study, clonidine 900micrograms/50mls sodium chloride 0.9% was compatible with midazolam 50mg/50mls (C). However, in another study clonidine 750micrograms/50mls with 250mg/50mls midazolam turned orange and was incompatible (I)

