

Drug Compatibility in Subcutaneous Infusions Chart in Standard Forms

	Cyclizine	Dexamethasone	Fentanyl	Glycopyrrolate	Haloperidol	Hydromorphone	Hyoscine Butylbromide	Hyoscine Hydrobromide	Ketamine	Ketorolac	Levomopromazine	Metoclopramide	Methadone	Midazolam	Morphine Sulphate	Octreotide	Ondansetron	Oxycodone	Phenobarbitone. Sodium	
Cyclizine	pH 3-3.7	⚠	?	✔	✔	✔	⚠	✔	?	?	✔	?	?		⚠	✔	✔	✔	?	
Dexamethasone	⚠	pH 7-8.5	?	?	⚠	⚠	✔	✔	✔		⊘		✔	⊘	⚠		⚠	✔	⊘	
Fentanyl	⚠	?	pH 4-7.5	✔	✔	✔	✔	✔	✔		?	✔	?	✔	?	✔	✔	?	✔	
Glycopyrrolate	✔	?	✔	pH 2.3-4.3	✔	✔	✔	NA	✔		✔	✔	✔	✔	✔	?	✔	✔	⊘	
Haloperidol	✔	⊘	✔	✔	pH 2.8-3.6	⚠	✔	✔	✔	⊘	✔	✔	✔	✔	✔	✔	✔	✔	?	
Hydromorphone	⚠	⚠	✔	✔	⚠	pH 4-5.5	✔	✔	✔	⚠	✔	✔	?	✔	NA	✔	✔	NA	?	
Hyoscine Butylbromide	⚠	?	✔	?	?	?	pH 3-5.5	?	✔	?	✔	✔	✔	✔	✔	✔	✔	✔	?	
Hyoscine Hydrobromide	✔	✔	✔	NA	?	✔	?	pH 4	✔		✔	✔	✔	✔	✔	✔	✔	✔	?	
Ketamine	?	✔	✔	✔	✔	✔	✔	✔	pH 3.5-5.5		✔	✔	✔	✔	✔	✔	?	?	✔	?
Ketorolac					⊘	⚠				pH 7-8			✔	?	✔	?	?		?	
Levomopromazine	✔	⚠	?	✔	✔	✔	✔	✔	✔	?	pH 3-5	✔	✔	✔	✔	✔	✔	✔	?	
Metoclopramide	✔	✔	✔	✔	✔	✔	✔	✔	✔		?	pH 3-6.5	✔	✔	✔	✔	✔	✔	?	
Methadone	?	✔	?	✔	✔	?	?	✔	?		✔	✔	pH 4.5-7	✔	?	?	?	✔	⊘	
Midazolam	?	⊘	✔	✔	✔	✔	✔	✔	✔		✔	✔	✔	pH 2.9-3.7	⚠	✔	✔	✔	?	
Morphine Sulphate	✔	✔	?	✔	✔	NA	✔	✔	✔	✔	✔	✔	?	✔	pH 2.5-6	✔	✔	NA	?	
Octreotide	⚠	⚠	✔	✔	✔	✔	✔	✔	✔	⚠	⚠	✔	?	✔	✔	pH 3.5	✔	✔	?	
Ondansetron	⚠	⚠	✔	✔	✔	✔	✔	✔	✔		✔	✔	?	✔	✔	✔	pH 3.9-4.5	✔	?	
Oxycodone	⚠	✔	?	✔	✔	NA	✔	✔	✔	?	✔	✔	?	✔	NA		✔	pH 4.5-5.5	?	
Phenobarbitone Sodium	?	?	?	⊘	?	?	?	?	?	?	?	?	⊘	?	?	?	?	?	pH 8.5-10.5	

KEY Incompatible Compatible Sometimes incompatible (usually at higher concentrations) - observe carefully Unknown NA not usually used together

Please note:

- This table should be used as a general guide only as high concentrations of drug combinations will affect the compatibility of the desired infusion. Vigilance is required in all cases.
- pH may vary with different formulations; check product information or consult the manufacturer.
- Where there is no symbol indicating medication compatibility OR unknown symbol, it is not recommended for use, or proceed with caution and closely monitor administration site.**

References:

- Dickman A, Schneider J, Varga J. The syringe driver: continuous subcutaneous infusion in palliative care 3rd Ed. Oxford: Oxford University Press; 2011
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- The Palliative Care Handbook: Guidelines for clinical management and symptom control 2014 pages 150-151
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- Gardiner PR. Compatibility of an injectable oxycodone formulation with typical diluents, syringes, tubings, infusion bags and drugs for potential co-administration. Hosp Pharm Sept 2003;10:354-361
- Trissel's 2 Clinical Pharmaceutic Database (Parenteral Compatibility). [2007] Micromedex [On-Line] <http://micromedex.hcn.net.au>