

Thames Valley Y-Site Intravenous Drugs Compatibility Chart (March 2011)

Prepared by the Thames Valley Critical Care Network Pharmacists Group*

Note:
 This table can be used for Y-site compatibility at the usual manufacturers concentrations. You should also ensure that the drugs checked are compatible in terms of carrier fluid
 This table gives information for **two drug combinations only**. It can not be extrapolated to three drug combinations
 Use of higher than the manufacturers recommended concentrations (eg in fluid restriction) may affect compatibility
 The majority of sources cited define compatibility by physical compatibility rather than chemical compatibility
 This table is a guide only. Full information can be obtained from your pharmacy department

Drug 1	Drug 2	Compatibility
Acetylcysteine	Acetylcysteine	Compatible
Adrenaline	Adrenaline	Compatible
Alfentanil	Alfentanil	Compatible
Aminophylline	Aminophylline	Compatible
Amiodarone	Amiodarone	Compatible
Aprotinin	Aprotinin	Compatible
Atracurium	Atracurium	Compatible
Calcium Chloride	Calcium Chloride	Compatible
Calcium Gluconate	Calcium Gluconate	Compatible
Cisatracurium	Cisatracurium	Compatible
Clonidine	Clonidine	Compatible
Compound Sodium Lactate Solution (Hartmann's)	Compound Sodium Lactate Solution (Hartmann's)	Compatible
Co-trimoxazole	Co-trimoxazole	Compatible
Disodium Hydrogen Phosphate	Disodium Hydrogen Phosphate	Compatible
Dobutamine	Dobutamine	Compatible
Dopamine	Dopamine	Compatible
Dopexamine	Dopexamine	Compatible
Drotrecogin Alfa (Activated)	Drotrecogin Alfa (Activated)	Compatible
Epoprostenol	Epoprostenol	Compatible
Esmolol	Esmolol	Compatible
Fentanyl	Fentanyl	Compatible
Furosemide	Furosemide	Compatible
Gentamicin	Gentamicin	Compatible
Glucose 4%, Sodium Chloride 0.18%	Glucose 4%, Sodium Chloride 0.18%	Compatible
Glucose 5%	Glucose 5%	Compatible
Glyceryl Trinitrate (GTN)	Glyceryl Trinitrate (GTN)	Compatible
Heparin (Sodium)	Heparin (Sodium)	Compatible
Insulin (Soluble)	Insulin (Soluble)	Compatible
Isosorbide Dinitrate	Isosorbide Dinitrate	Compatible
Ketamine	Ketamine	Compatible
Labetalol	Labetalol	Compatible
Magnesium Sulphate	Magnesium Sulphate	Compatible
Mannitol	Mannitol	Compatible
Metronidazole	Metronidazole	Compatible
Midazolam	Midazolam	Compatible
Milrinone	Milrinone	Compatible
Morphine	Morphine	Compatible
Noradrenaline	Noradrenaline	Compatible
Omeprazole	Omeprazole	Compatible
Potassium Chloride	Potassium Chloride	Compatible
Potassium Phosphate	Potassium Phosphate	Compatible
Propofol	Propofol	Compatible
Remifentanil	Remifentanil	Compatible
Rocuronium	Rocuronium	Compatible
Salbutamol	Salbutamol	Compatible
Sodium Bicarbonate	Sodium Bicarbonate	Compatible
Sodium Chloride 0.9%	Sodium Chloride 0.9%	Compatible
Sodium Glycerophosphate	Sodium Glycerophosphate	Compatible
Sodium Nitroprusside	Sodium Nitroprusside	Compatible
Thiopental	Thiopental	Compatible
Vancomycin	Vancomycin	Compatible
Vasopressin (Arginine Vasopressin)	Vasopressin (Arginine Vasopressin)	Compatible
Vecuronium	Vecuronium	Compatible

Key

- Compatible (Reference 1)
- Incompatible (Reference 1)
- Variable, contact pharmacy for advice (Reference 1)
- Not Known, do not assume compatibility

- References**
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 - Pocket Guide to Injectable Drugs 15th edition. L.A.Trissel
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