

# Thames Valley Y-Site Intravenous Drugs Compatibility Chart (November 2005)

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

Key	
✓	Compatible (Reference 1)
✗	Incompatible (Reference 1)
V	Variable, contact pharmacy for advice (Reference 1)
□	Not Known, do not assume compatibility

### References

- 1 "Pocket Guide to Injectable Drugs" 11th Edition, Lawrence Trissel, 2001. American Society of Health System Pharmacists (ISBN 1-58528-023-2)
- 2 "King Guide to Parenteral Admixtures: Compatibility of Critical Care Admixtures 2005", Patrick Catania, 2005. School of Pharmacy, University of the Pacific (www.kingguide.com)
- 3 TVCCN Pharmacists Group Consensus
- 4 Parvolex Injection, ABPI Medicines Compendium 2005, p1840-1841 (ISBN 0-0907102-23-9)
- 5 Rapifen Intensive Care, ABPI Medicines Compendium 2005, p2024-2025 (ISBN 0-0907102-23-9)
- 6 Cordarone X Intravenous, ABPI Medicines Compendium 2005, p547-548 (ISBN 0-0907102-23-9)
- 7 Tracrium Injection, ABPI Medicines Compendium 2005, p2417-2418 (ISBN 0-0907102-23-9)
- 8 Nimbex Forte Injection, Nimbex Injection 2mg/ml, ABPI Medicines Compendium 2005, p1699-1703 (ISBN 0-0907102-23-9)
- 9 Catapress Ampoules, ABPI Medicines Compendium 2005, p411-412 (ISBN 0-0907102-23-9)
- 10 Dopacard, ABPI Medicines Compendium 2005, p721 (ISBN 0-0907102-23-9)
- 11 Xigris, ABPI Medicines Compendium 2005, p2655-2657 (ISBN 0-0907102-23-9)
- 12 Ventolin Injection, ABPI Medicines Compendium 2005, p2537-2538 (ISBN 0-0907102-23-9)
- 13 Flagyl Injection (100ml), ABPI Medicines Compendium 2005, p935-936 (ISBN 0-0907102-23-9)
- 14 Losec IV Infusion, ABPI Medicines Compendium 2005, p1403-1404 (ISBN 0-0907102-23-9)
- 15 Diprivan 1%, Diprivan 2%, ABPI Medicines Compendium 2005, p697-701 (ISBN 0-0907102-23-9)
- 16 Ultiva Injection, ABPI Medicines Compendium 2005, p2483-2487 (ISBN 0-0907102-23-9)
- 17 "Physical and chemical compatibility of drotrecogin alfa (activated) with 34 drugs during simulated Y-site administration" HY Mann, SL Demmon, DA Boelk et al, Am J Health-Syst Pharm 2004; 61: 2664-2671
- 18 "John Farman intensive care unit compatibility chart", Cambridge University Hospitals NHS Foundation Trust, Pharmacy Department, In-house data generated by Brit Cadman and Tim House
- 19 AstraZeneca, Personal communication (16/03/2005)
- 20 Bayer, Personal communication (16/03/2005)
- 21 Zeneus Pharma, Personal communication (22/03/2005)
- 22 "Handbook on injectible drugs" 13th Edition, LA Trissel, 2005. American Society of Health System Pharmacists (ISBN 1-58528-107-7)
- 23 Schwartz Pharma, Personal communication (22/03/2005)
- 24 Akzo Nobel, Personal communication (16/03/2005)

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

### \*Thames Valley Critical Care Network Pharmacists Group

Shakila Bi	Wexham Park and Heatherwood Hospitals	Jane Hough	John Radcliffe Hospital, Dep. Chief P'cists Rep
Mark Borthwick	John Radcliffe Hospital, (AICU), Chair (16/01/2004)	Claire Humphries	Manor Hospital
Jenny Dorey	John Radcliffe Hospital, Chief Pharmacists Rep	Trevor Jenkins	Buckinghamshire Hospitals
Catherine Goddard	Royal Berkshire and Battle Hospitals	Jill McDonald	Milton Keynes General Hospital
Estelle Hames	John Radcliffe Hospital, (CTCC)	Olivia Moswela	Radcliffe Infirmary
Emily Hartwell	Horton General Hospital	Michelle Taylor-Siddons	Stoke Mandeville Hospital

Secretarial support was provided by Sue Gurney