

## Drugs To Be Infused Through A Central Line (PICC Line)

The Infusion Nurses Society Standards of Practice (2006) state that drugs which have a pH less than 5 and greater than 9 should be infused through a Central Line. **Certain drugs are venous irritants regardless of pH or concentration.** The following is a list of drugs that should be administered via a PICC or Central Venous Catheter whenever possible.

Drug	Brand Name(s)	pH	mOsmol / L
Acyclovir	Zovirax	10.5 - 11.6	316
Amiodarone	Cordarone	4.1	
Amphotericin B	Fungizone	5.7	256
Amphotericin B (lipid)	Abelcet, AmBisome, Amphotec	5 - 6	280
Ampicillin / Sulbactam	Unasyn	9 (8 - 10)	400
Amrinone	Inocor	3.2 - 4	300
Azithromycin	Zithromax	6.4 - 6.8	280
Caspofungin	Cancidas	6.6	
Ciprofloxacin	Cipro I.V.	3.3 - 4.6	285
Cladribine	Leustatin	5.7 - 8	300
Dexrazoxane	Zinecard	3.5 - 5.5	
Dobutamine	Dobutrex	3.5 (2.5 - 5.5)	280
Docetaxel	Taxotere		
Dolasetron	Anzemet	3.2 - 3.8	285
Dopamine	Intropin	3.3 (2.5 - 4.5)	277
Erythromycin	Erythrocin	7 (6.5 - 7.7)	290
Etoposide	Etopophos, Toposar, VePesid	3 - 4	290
Foscarnet	Foscavir	7.4	271
Fosphenytoin	Cerebyx	8.6 - 9	
Ganciclovir	Cytovene IV, DHPG	11.0	320
Gatifloxacin	Tequin	3.5 - 5.5	
Gentamicin	Garamycin	3 - 5.5	
Hemin for injection	Panhematin	8 - 9.5	300
Imipenem / Cilastatin	Primaxin	6.5 - 7.5	310
Iron Dextran Intravenous	DexFerrum, InFeD	5.2 - 6.5	2000 (50mg/ml)
Itraconazole	Sporanox	4.8	
Levofloxacin	Levaquin	3.8 - 5.8	250
Meropenem	Merrem I.V.	7.3 - 8.3	300
Mitoxantrone	Novantrone	3 - 4.5	300
Morphine Sulfate	Astramorph PF, Duramorph	4 (2.5 - 6.0)	295
Nafcillin	Nafcil, Nallpen	6 - 8.5	276 - 398
Oxacillin	Bactocill, Prostaphlin	6 - 8.5	270 - 398
Pamidronate	APD, Aredia	6 - 7.4	300
Parenteral Nutrition	TPN, TNA	5.3 - 6.3	>600
Pentamidine IVPB		4 - 5.4	455
Phenytoin	Dilantin	12	312
Potassium chloride (concentrations greater than 40 mEq/L)		4 - 8	600 - 800
Promethazine	Phenergan	4 - 5.5	
Quinupristin / Dalfopristin	Synercid	4.5 - 5	
Sulfamethoxazole / Trimethoprim	Bactrim, Septra, SMZ-TMP	10	541
Tobramycin	Nebcin	3 - 6.5	
Vancomycin	Vancocin, Vancoled	2.4 - 4.5	
Vinorelbine	Navelbine, NVB	3.5	
Zidovudine	Azidothymidine, AZT, Retrovir	5.5	260