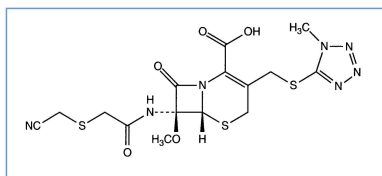


Stabilis



Cefmetazole sodium



Tradename

Metafar	Italy
Zefazone	



Stability in solutions

PVC		20 mg/ml	25°C	?	2			652
PVC		20 mg/ml	5°C	?	28			652
PVC		4 & 20 mg/ml	4°C	?	7			1664
PVC		4 & 20 mg/ml	23°C	?	48			1664
PVC		4 & 20 mg/ml	23°C	?	24			1664



Stability of mixtures

		20 mg/ml	22°C-23°C		Ranitidine hydrochloride : 1 mg/ml	2		903
		10 mg/ml	22°C-23°C		Ranitidine hydrochloride : 1 mg/ml	4		903
		5 mg/ml	25°C	?	Famotidine : 0,2 mg/ml	5		237
		5 mg/ml	4°C		Famotidine : 0,2 mg/ml	7		237



Compatibility

			
	 Cefmetazole sodium Amikacin sulfate		3549
	 Cefmetazole sodium : 100 mg/ml Diazepam : 5 mg/ml		93
	 Cefmetazole sodium Erythromycin lactobionate		3674
	 Cefmetazole sodium : 10 mg/ml		4440
	 Cefmetazole sodium : 100 mg/ml Ciclosporin : 1.2 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Digoxin : 250 µg/ml		93
	 Cefmetazole sodium : 100 mg/ml Diphenhydramine hydrochloride : 50 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Dobutamine hydrochloride : 4.2 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Dopamine hydrochloride : 4.2 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Droperidol : 2.5 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Erythromycin lactobionate : 10 & 50 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Esmolol hydrochloride : 25 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Furosemide : 10 mg/ml		93
	 Cefmetazole sodium : 0,1 mg/ml		4693
	 Cefmetazole sodium Gentamicin sulfate		3643
	 Cefmetazole sodium Gentamicin sulfate		3520
	 Cefmetazole sodium : 100 mg/ml Haloperidol lactate : 5 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Heparin sodium : 100 UI/ml		93
	 Cefmetazole sodium : 100 mg/ml Hydrocortisone sodium succinate : 50 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Hydromorphone hydrochloride : 0.2 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Levothyroxine : 40 µg/ml		93
	 Cefmetazole sodium : 100 mg/ml Lorazepam : 4 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Magnesium sulfate : 250 mg/ml		93
	 Cefmetazole sodium : 100 mg/ml Midazolam hydrochloride : 0.5 mg/ml		93

	Cefmetazole sodium : 100 mg/ml Morphine sulfate : 1 mg/ml		93	
	Cefmetazole sodium : 100 mg/ml Nalbuphine hydrochloride : 1 mg/ml		93	
	Cefmetazole sodium : 100 mg/ml Nitroglycerin : 0.2 mg/ml		93	
	Cefmetazole sodium : 100 mg/ml Ondansetron hydrochloride : 2 mg/ml		93	
	Cefmetazole sodium : 100 mg/ml Pethidine hydrochloride : 10 mg/ml		93	
	Cefmetazole sodium : 100 mg/ml Potassium chloride : 400 mEq/l		93	
		Cefmetazole sodium : 100 mg/ml Prochlorperazine edisylate : 5 mg/ml		93
		Cefmetazole sodium : 100 mg/ml Promethazine hydrochloride : 50 mg/ml		93
		Cefmetazole sodium : 10 & 20 mg/ml Ranitidine hydrochloride : 1 mg/ml		903
	Cefmetazole sodium : 100 mg/ml Sodium bicarbonate : 84 mg/ml		93	
		Cefmetazole sodium : 100 mg/ml Vancomycin hydrochloride : 4 & 50 mg/ml		93



Route of administration



References

	Type	Publication
93	Journal	Hutchings SR, Rusho WJ, Tyler LS. Compatibility of cefmetazole sodium with commonly used drugs during Y-site delivery. Am J Health-Syst Pharm 1996 ; 53: 2185-2188.
237	Journal	Lee DKT, Wong CY, Wang DP, Chang LC, Wu KH. Stability of cefmetazole and famotidine. Am J Health-Syst Pharm 1996 ; 53: 432.
652	Journal	Das Gupta V, Maswoswe J, Bailey R.E, County H. Stability of cefmetazole sodium in 5% dextrose injection and 0.9% sodium chloride injection. Int J Pharm Compound 1997 ; 1: 208-209.
903	Journal	Inagaki K, Gill MA, Okamoto MP, Takagi J. Chemical compatibility of cefmetazole sodium with ranitidine hydrochloride during simulated Y-site administration. J Parenter Sci Technol 1993 ; 47: 35-39.
1664	Journal	King AD, Stewart JT, Warren FW. Stability of cefmetazole-doxycycline mixtures in sodium chloride and dextrose injections. J Clin Pharm Ther 1994 ; 19: 317-325.
3520	Manufacturer	Cidomycin - Summary of product Characteristics. Sanofi 2011

3549	Manufacturer	Amikacine B Braun - Résumé des caractéristiques du produit. B Braun 2012
3643	Manufacturer	Gentamicin sulphate (Cidomycin®) - Summary of Product Characteristics Sanofi 2015
3674	Manufacturer	Erythromycin lactobionate - Summary of Product Characteristics PanPharma 2016
4440	Journal	Omotani S, Aoe M, Esaki S, Nagai K, Hatsuda Y, Mukai J, Teramachi H, Myotoku M. Compatibility of Intravenous Fat Emulsion with Antibiotics for Secondary Piggyback Infusion. Ann Nutr Metab 2018 ; 73: 227-233.
4693	Journal	Shen H, Fu Y, Chen Y, Xia W, Jia Z, Yu Q, Zhang L, Han L. Compatibility and Stability of Ten Commonly Used Clinical Drugs in Pediatric Electrolyte Supplements Injection. Drug Design Dev Ther 2022 ;16:1433-1440.



Dictionary

 Antibiotic	 Injection
 Tradename	 Stability in solutions
 Container	 Molecule
 Concentration	 Temperature
 Storage	 Duration of stability
 Biosimilar	 Conflicting data
 References	 Polyvinyl chloride
 NaCl 0,9% or Glucose 5%	 Not specified
 Day	 Sodium chloride 0,9%
 Hour	 Glucose 5%
 Stability of mixtures	 Solvent
 Compound	 Glass
 Light	 Not specified
 Protect from light	 Compatibility
 Chemical instability	 Incompatible
 Compatible	 Water for Injection
 Unspecified incompatibility	 Parenteral nutrition (with lipids)
 Immediate precipitation	 Immediate turbidity
 NaCl 0.225 % + glucose 3.75%	 Route of administration
 Intravenous	 Intravenous infusion
 Intramuscular	 References
 Dictionary	