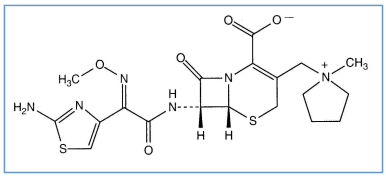
Stabilis

Cefepime dihydrochloride



Noms commerciaux

Aspime	Emirats Arabes Unis, Vénézuela
Avipim	Turquie
Axépim	France
Baxypime	Mexique
Cefemin	Colombie
Cefepem	Brésil
Cefepitax	Brésil
Cepim	Italie, Pérou
Cepimex	Italie
Forcetex	Egypte
Maxipime	Allemagne, Arabie Saoudite, Autriche, Belgique, Colombie, Emirats Arabes Unis, Espagne, Etats Unis d'Amérique, Finlande, Grèce, Hongrie, Italie, Luxembourg, Pérou, Pologne, Portugal, Suède, Turquie
Pimcef	Pérou
Pimerzen	Mexique
Roxipime	Turquie
Unisef	Turquie
Vipefime	Mexique

Stabilité des solutions

		2 mg/ml	2-8°C		2			4922
	Phenol 0.04%	2 mg/ml	2-8°C		2			4922
PVC		10 mg/ml	22°C-24°C		1			1605
PVC		2,5 mg/ml	22°C-24°C		6			1605
PVC		2,5/5/10/20 mg/ml	4°C		7			1605
PVC		20 mg/ml	22°C-24°C		3			1605
PVC		20 mg/ml	25°C	?	2			873
PVC		20 mg/ml	5°C		23			873
PVC		5 mg/ml	22°C-24°C		3			1605

PVC		10 mg/ml	22°C-24°C		2				1605
PVC		2,5 mg/ml	22°C-24°C		4				1605
PVC		2,5/5/10/20 mg/ml	4°C		7				1605
PVC		20 mg/ml	-20°C		30				1648
PVC		20 mg/ml	22°C-24°C		3				1605
PVC		20 mg/ml	25°C	?	2				873
PVC		20 mg/ml	4°C		11				1648
PVC		20 mg/ml	5°C		23				873
PVC		5 mg/ml	22°C-24°C		1				1605
PVC	EXTRANEAL	0,5 mg/ml	37°C	?	4				1945
PVC	EXTRANEAL	0,5 mg/ml	4°C	?	7				1945
PE		8 mg/ml	24°C		48				1673
PE		8 mg/ml	4°C		15				1673
PE		8 mg/ml	24°C		48				1673
PE		8 mg/ml	4°C		15				1673
EVA		10 mg/ml	23°C		2				1834
EVA		10 mg/ml	4°C		30				1834
EVA		40 mg/ml	23°C		1				1834
EVA		40 mg/ml	4°C		7				1834
EVA		2,9 mg/ml	-20°C		14				2046
EVA		2,9 mg/ml	25°C		24				2046
EVA		2,9 mg/ml	4°C		7				2046
PP		100 & 200 mg/ml	-20°C		90				1068
PP		100 & 200 mg/ml	22-24°C	?	2				1046
PP		100 & 200 mg/ml	4°C		7				1068
PP		100 & 200 mg/ml	4°C		14				1046
PP		100 mg/ml	22°C-24°C	?	2				1046
PP		100 & 200 mg/ml	-20°C		90				1068
PP		100 & 200 mg/ml	4°C		7				1068
PP		120 mg/ml	25°C		10				4326
PP		125 mg/ml	20-25°C		24				4634
PP		2 mg/ml	2-8°C		2				4922
PP		20 mg/ml	25°C	?	2				1626

		20 mg/ml	25°C		12				4326
		20 mg/ml	5°C		21				1626
		200 mg/ml	22-24°C		2				1046
		200 mg/ml	4°C		14				1046
		40 mg/ml	25°C		10				4326
		100 mg/ml	22°C-24°C		1				1046
		100 & 200 mg/ml	-20°C		90				1068
		100 & 200 mg/ml	4°C		7				1068
		125 mg/ml	20-25°C		24				4634
		200 mg/ml	22-24°C		2				1046
		200 mg/ml	4°C		14				1046
	Phenol 0.04%	2 mg/ml	2-8°C		2				4922
S I		12,5 mg/ml	32°C		12				4943
S I		12,5 mg/ml	32°C		12				4943
?		50 mg/ml	25°C		20				2042
?		50 mg/ml	37°C		13				2042
?	Deflex 1.5	0,1 mg/ml	25°C		7				1290
?	Deflex 1.5	0,1 mg/ml	37°C		48				1290
?	Deflex 1.5	0,1 mg/ml	4°C		14				1290

Stabilité en mélange

PVC	∅	2,5 & 20 mg/ml	22°C-24°C		Metronidazole : 5 mg/ml	2	1605
PVC	∅	5 mg/ml	22°C-24°C		Metronidazole : 5 mg/ml	4	1605
PVC	∅	10 mg/ml	22°C-24°C		Metronidazole : 5 mg/ml	5	1605
PVC	∅	2,5 >> 20 mg/ml	4°C		Metronidazole : 5 mg/ml	7	1605

Facteur influençant la stabilité

					2046 2141
	4 < pH < 6				2134

Compatibilités

		Cefepime dihydrochloride : 125 mg/ml Amikacin sulfate : 15 mg/ml		2141
		Cefepime dihydrochloride : 40 mg/ml Amikacin sulfate : 6 mg/ml		3548
		Cefepime dihydrochloride Amikacin sulfate		3549
		Cefepime dihydrochloride : 40 mg/ml Amikacin sulfate : 6 mg/ml		3548
		Cefepime dihydrochloride Aminophylline		3548
		Cefepime dihydrochloride : 20 mg/ml Amphotericin B cholesteryl sulfate complex : 0.83 mg/ml		921
		Cefepime dihydrochloride : 40 mg/ml Ampicillin sodium : 1 mg/ml		3548
		Cefepime dihydrochloride : 4 mg/ml Ampicillin sodium : 40 mg/ml		3548
		Cefepime dihydrochloride : 40 mg/ml Ampicillin sodium : 10 mg/ml		3548
		Cefepime dihydrochloride : 40 mg/ml Ampicillin sodium : 1 mg/ml		3548
		Cefepime dihydrochloride : 40 mg/ml Ampicillin sodium : 10 mg/ml		3548
		Cefepime dihydrochloride : 20 mg/ml Anidulafungin : 0.5 mg/ml		1982
		Cefepime dihydrochloride : 20 mg/ml Bivalirudin : 5 mg/ml		1713
		Cefepime dihydrochloride : 20 mg/ml Caspofungin acetate : 0,7 mg/ml		2247
		Cefepime dihydrochloride : 40 mg/ml Cefiderocol sulfate tosylate : 20 mg/mL		4528
		Cefepime dihydrochloride : 40 mg/ml Cefiderocol sulfate tosylate : 20 mg/mL		4528
		Cefepime dihydrochloride : 40 mg/ml Ceftolozane / tazobactam : 10/5 mg/ml		3828
		Cefepime dihydrochloride : 40 mg/ml Ceftolozane / tazobactam : 10/5 mg/ml		3828
		Cefepime dihydrochloride : 4 & 40 mg/ml Clindamycin phosphate : 0,25 & 6 mg/ml		3548
		Cefepime dihydrochloride : 4 & 40 mg/ml Clindamycin phosphate : 0,25 & 6 mg/ml		3548
		Cefepime dihydrochloride : 83.3 mg/ml Daptomycin : 21 mg/ml		4254
		Cefepime dihydrochloride : 83.3 mg/ml Daptomycin : 21 mg/ml		4254
		Cefepime dihydrochloride : 20 mg/ml Dexmedetomidine : 4 µg/ml		1712
		Cefepime dihydrochloride : 125 mg/ml Dobutamine hydrochloride : 1 mg/ml		2141

		Cefepime dihydrochloride : 20 mg/ml Docetaxel : 0.9 mg/ml		1754
		Cefepime dihydrochloride : 125 mg/ml Dopamine hydrochloride : 0.4 mg/ml		2141
		Cefepime dihydrochloride : 20 mg/ml Doxorubicin hydrochloride liposome peg : 0.4 mg/ml		251
		Cefepime dihydrochloride : 40 mg/ml Eravacycline : 0,6 mg/ml		4434
		Cefepime dihydrochloride : 125 mg/ml Erythromycin lactobionate : 5 mg/ml		2141
		Cefepime dihydrochloride Erythromycin lactobionate		3674
		Cefepime dihydrochloride : 40 mg/ml Esmolol hydrochloride : 10 mg/ml		3879
		Cefepime dihydrochloride : 20 mg/ml Etoposide phosphate : 5 mg/ml		1410
		Cefepime dihydrochloride : 20 mg/ml Fenoldopam mesylate : 80 µg/ml		1803
		Cefepime dihydrochloride : 125 mg/ml Fluconazole : 2 mg/ml		2141
		Cefepime dihydrochloride : 40 mg/ml Fosfomycin : 30 mg/ml		4055
		Cefepime dihydrochloride : 40 mg/ml Fosfomycin : 30 mg/ml		4055
		Cefepime dihydrochloride : 125 mg/ml Furosemide : 10 mg/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Gentamicin sulfate : 6 mg/ml		2141
		Cefepime dihydrochloride Gentamicin sulfate		3643
		Cefepime dihydrochloride Gentamicin sulfate		3520
		Cefepime dihydrochloride Gentamicin sulfate		3548
		Cefepime dihydrochloride : 20 mg/ml Granisetron hydrochloride : 0.05 mg/ml		182
		Cefepime dihydrochloride : 4 mg/ml Heparin sodium : 10 & 50 UI/ml		3548
		Cefepime dihydrochloride : 4 mg/ml Heparin sodium : 10 & 50 UI/ml		3548
		Cefepime dihydrochloride : 20 mg/ml Hetastarch : 60 mg/ml		1721
		Cefepime dihydrochloride : 40 mg/ml Hydrocortisone sodium succinate : 1 mg/ml		4465
		Cefepime dihydrochloride : 40 mg/ml Isavuconazonium sulfate : 1.5 mg/ml		3829
		Cefepime dihydrochloride		3548
		Cefepime dihydrochloride : 100 mg/ml		3948
		Cefepime dihydrochloride Lidocaine hydrochloride		3548
		Cefepime dihydrochloride : 10 mg/ml		4440

		Cefepime dihydrochloride : 100 mg/ml		3948
		Cefepime dihydrochloride	RL	3548
		Cefepime dihydrochloride : 40 mg/ml	RL	4411
		Cefepime dihydrochloride : 40 mg/ml Isavuconazonium sulfate : 1.5 mg/ml		3829
		Cefepime dihydrochloride : 125 mg/ml Ketamine hydrochloride : 10 mg/ml		2141
		Cefepime dihydrochloride : 40 mg/ml Metoprolol tartrate : 0.4 mg/ml		3879
		Cefepime dihydrochloride		3548
		Cefepime dihydrochloride : 125 mg/ml Insulin : 100 UI/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Isosorbide dinitrate : 0.2 mg/ml		2141
		Cefepime dihydrochloride : 40 mg/ml Labetalol hydrochloride : 5 mg/ml		3879
		Cefepime dihydrochloride : 20 mg/ml Lansoprazole : 0.55 mg/ml		1625
		Cefepime dihydrochloride Metronidazole		3548
		Cefepime dihydrochloride : 125 mg/ml Midazolam hydrochloride : 5 mg/ml		2141
		Cefepime dihydrochloride : 20 mg/ml Mycophenolate mofetil : 5,9 mg/ml		2192
		Cefepime dihydrochloride : 125 mg/ml N-acetylcysteine : 100 mg/ml		2141
		Cefepime dihydrochloride Netilmicin sulfate		3548
		Cefepime dihydrochloride : 125 mg/ml Nicardipine hydrochloride : 1 mg/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Phenytoin sodium : 50 mg/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Piritramide : 2 mg/ml		2141
		Cefepime dihydrochloride : 40 mg/ml Plazomicin sulfate : 24 mg/ml		4145
		Cefepime dihydrochloride : 40 mg/ml Posaconazole : 1,2 mg/ml		4521
		Cefepime dihydrochloride : 4 mg/ml Potassium chloride : 10 & 40 mEq/l		3548
		Cefepime dihydrochloride : 4 mg/ml Potassium chloride : 10 & 40 mEq/l		3548
		Cefepime dihydrochloride : 125 mg/ml Propofol : 1 mg/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Remifentanil hydrochloride : 200 µg/ml		2141
		Cefepime dihydrochloride : 5 mg/ml Sodium citrate : 40 mg/ml	∅	3416
		Cefepime dihydrochloride : 10 mg/ml Sodium citrate : 40 mg/ml	∅	3416

		Cefepime dihydrochloride : 125 mg/ml Sufentanil citrate : 0.005 mg/ml		2141
		Cefepime dihydrochloride : 40 mg/ml Sulbactam/durlobactam : 15/15 mg/ml		4801
		Cefepime dihydrochloride : 40 mg/ml Tedizolid phosphate : 0.8 mg/ml		3827
		Cefepime dihydrochloride : 40 mg/ml Telavancin hydrochloride : 7.5 mg/ml	RL	3254
		Cefepime dihydrochloride : 40 mg/ml Telavancin hydrochloride : 7.5 mg/ml		3254
		Cefepime dihydrochloride : 40 mg/ml Telavancin hydrochloride : 7.5 mg/ml		3254
		Cefepime dihydrochloride : 200 mg/ml Temocilline : 83.33 mg/ml		2231
		Cefepime dihydrochloride : 125 mg/ml Theophylline : 20 mg/ml		2141
		Cefepime dihydrochloride : 4 mg/ml Theophylline : 0,8 mg/ml		3548
		Cefepime dihydrochloride : 83.3 mg/ml Thiamine hydrochloride : 0.2 mg/ml		4254
		Cefepime dihydrochloride : 83.3 mg/ml Thiamine hydrochloride : 0.2 mg/ml		4254
		Cefepime dihydrochloride Tobramycin sulfate		3548
		Cefepime dihydrochloride : 125 mg/ml Tobramycin sulfate : 6 mg/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Urapidil : 5 mg/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Valproic acid : 100 mg/ml		2141
		Cefepime dihydrochloride : 125 mg/ml Vancomycin hydrochloride : 30 mg/ml		2141
		Cefepime dihydrochloride : 83.33 mg/ml Vancomycin hydrochloride : 10 mg/ml		3385
		Cefepime dihydrochloride : 200 mg/ml Vancomycin hydrochloride : 10 mg/ml		3385
		Cefepime dihydrochloride : 20 mg/ml Vancomycin hydrochloride : 4 mg/ml		3542
		Cefepime dihydrochloride Vancomycin hydrochloride		3548
		Cefepime dihydrochloride : 83.3 mg/ml Voriconazole : 8 mg/ml		4254
		Cefepime dihydrochloride		3548
		Cefepime dihydrochloride : 125 mg/ml Vancomycin hydrochloride : 31,25 mg/ml		4957

Voie d'administration

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	Type	Source
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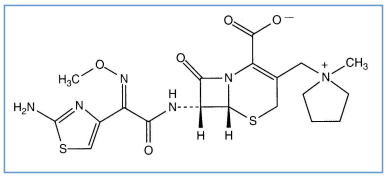
4634	Revue	Loeuille G, D'Huart E, Vigneron J, Nisse YE, Beiler B, Polo C, Ayari G, Sacrez M, Demoré B, Charmillon A. Stability studies of 16 Antibiotics for Continuous Infusion in Intensive Care Units and for Performing Outpatient Parenteral Antimicrobial Therapy. Antibiotics 2022 ;11,4: 458
4801	Revue	Ruiz V, Yuwei Shen Y, Abouelhassan Y, Fouad A, Nicolau D, Kuti J. Physical compatibility of sulbactam/durlobactam with select intravenous drugs during simulated Y-site administration. Am J Health-Syst Pharm 2024 ;51,1:
4922	Revue	Wanandy T, Handley SA, Le TTA, Lau WY, Turner ME, Wiese MD. Stability of Antibiotics for Use in the Testing of Immediate Drug Allergy Reactions. J Allergy Clin Immunol Pract 2024 13, 2: 343-352.
4943	Revue	D'Huart E, Boutouha I, Berardi C, Vigneron J, Demore B, Charmillon A. Stability of Nine Time-Dependent Antibiotics for Outpatient Parenteral Antimicrobial Therapy (OPAT) Use Antibiotics 2025 Antibiotics 2025, 14(5),
4957	Revue	Send your ideas of compatibility studies to Stabilis®. Newsletter Stabilis 2025 69: 11.

Stabilis

Cefepime dihydrochloride



Stabilité des préparations

?		1,725 g Maxipime®	Eau ppi 98,3 g	4°C		24				3182
?		1,725 g Maxipime®	Tampon citrate pH 6.25 - 302 mOsmol/L 9	4°C		27				3182
?		1,725 g Maxipime®	Borate de phenylmercure 0,04% 2,5 g ßphenylethylalcool 0,4 g Tampon citrate pH 6.25 - 302 mOsmol/L 95,4 g	4°C		27				3182
?		1,725 g Maxipime®	Alcool polyvinylique η=42.3 mPa.s pH 4.4 ,13 g Tampon citrate pH 6.05 - 586 mOsmol/L	4°C		21				3182
?		1,725 g Maxipime®	Alcool polyvinylique η=42.3 mPa.s pH 4.4 ,70 g Borate de phenylmercure 0,04% 2,5 g ßphenylethylalcool 0,4 g Tampon citrate pH 6.05 - 586 mOsmol/L 47,70 g	4°C		21 g				3182

Facteur influençant la stabilité

	20°C				3182

Bibliographie

	Type	Source
3182	Revue	Kodym A, PawLowska M, Ruminski JK, Bartosinska A, Kieliba A. Stability of cefepime in eye drops. Pharmazie 2011 ; 66, 1: 17-23.

Dictionnaire

	Antibiotique		injectable
	Noms commerciaux		Stabilité des solutions
	Contenant		Molécule
	Concentration		Température
	Conservation		Durée de stabilité
	Biosimilaire		Données conflictuelles
	Bibliographie		Verre
	Chlorure de sodium 0,9%		A l'abri de la lumière
	Jour		NaCl 0.9% + phénol 0.4%
PVC	Polyvinyl chlorure		Lumière
?	Non précisée		Glucose 5%
EXTRANEAL	Extraneal® (Baxter)		Heure
PE	Polyéthylène	EVA	Ethylène vinyl acétate
	Seringue polypropylène		Eau pour préparation injectable
SI	Elastomère en silicone	?	Elastomère (non précisé)
?	Non précisé	Deflex 1.5	Deflex® PD 1.5% glucose (Fresenius)
	Stabilité en mélange		Solvant
	Molécule	∅	Aucun
	Facteur influençant la stabilité		Augmentation
	Provoque		Dégradation
	Augmentation stabilité		Compatibilités
	Compatible		Instabilité chimique
	Incompatible		Incompatibilité non précisée
	Précipitation immédiate		Turbidité immédiate
	Solvant spécifique	10	Glucose 10%
	Changement de couleur après 1 heure		Nutrition parentérale (mélange binaire)
	Nutrition parentérale (mélange ternaire)	RL	Ringer lactate
	Turbidité en 4 heures		Voie d'administration
	Intraveineuse		Perfusion intraveineuse
	Intramusculaire		Sous cutanée

	Perfusion sous-cutanée		Bibliographie
	Collyre		Stabilité des préparations
	Origine		Excipient
	Spécialité pharmaceutique		Diminution de la stabilité
	Dictionnaire		