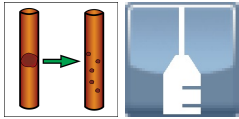


Stabilis



Alteplase



Tradename

Actilyse	Argentina, Australia, Austria, Belgium, Brazil, Chile, Colombia, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malaysia, Mexico, New Zealand, Norway, Peru, Poland, Portugal, Romania, Saudi Arabia, Spain, Sweden, Switzerland, Tunisia, Turkey, United Arab Emirates, Venezuela
Activase	Canada, United States of America
Cathflo Activase	Canada, United States of America



Stability in solutions

		1 mg/ml	-20°C		8			3862
		> 0,2 mg/ml	2-8°C		24			3616
		> 0,2 mg/ml	25°C		8			3616






































Factors which affect stability

				3616
	[<0.2 mg/ml]			3616



Compatibility

	Alteplase Bivalirudin		3539
	Alteplase		3616
	Alteplase : 1 mg/ml Bivalirudin : 5 mg/ml		1713
	Alteplase : 0.5 mg/ml Dobutamine hydrochloride : 5 mg/ml		240

		Alteplase : 1 mg/ml Dobutamine hydrochloride : 2 mg/ml		92
		Alteplase : 0.5 mg/ml Dopamine hydrochloride : 0.8 mg/ml		240
		Alteplase : 1 mg/ml Dopamine hydrochloride : 8 mg/ml		92
		Alteplase : 1 mg/ml Heparin sodium : 100 UI/ml		92
		Alteplase : 0.5 mg/ml Heparin sodium : 40 UI/ml		240
		Alteplase Heparin sodium		3540
		Alteplase Heparin sodium		3616
		Alteplase : 0.5 mg/ml Lidocaine hydrochloride : 4 mg/ml		240
		Alteplase : 1 mg/ml Lidocaine hydrochloride : 8 mg/ml		92
		Alteplase : 0.5 mg/ml Metoprolol tartrate : 0.5 mg/ml		240
		Alteplase : 0.5 mg/ml Morphine sulfate : 1 mg/ml		240
		Alteplase : 1 mg/ml Nitroglycerin : 0.2 mg/ml		92
		Alteplase : 0.5 mg/ml Nitroglycerin : 0.4 mg/ml		240
		Alteplase : 0.5 mg/ml Propranolol hydrochloride : 0.5 mg/ml		240



Route of administration



References

	Type	Publication
92	Journal	Lee CY, Mauro VF, Alexander KS. Visual and spectrophotometric determination of compatibility of alteplase and streptokinase with other injectable drugs. Am J Hosp Pharm 1990 ; 47: 606-608.
240	Journal	Lam XM, Ward CA, de C du M'e CPR. Stability and activity of alteplase with injectable drugs commonly used in cardiac therapy. Am J Health-Syst Pharm 1995 ; 52: 1904-1909.
1713	Journal	Trissel LA, Saenz CA. Compatibility screening of bivalirudin during simulated Y-site administration with other drugs. Int J Pharm Compound 2002 ; 6: 311-315.
3539	Manufacturer	Bivalirudin (Angiox®) - Summary of Product Characteristics. The Medecines Company 2013

3540	Manufacturer	Heparin sodium - Summary of Product Characteristics. Wockhardt 2010
3616	Manufacturer	Altéplase (Actilyse®) - Résumé des caractéristiques du produit Boehringer Ingelheim 2012
3862	Journal	Cutshall B.T, Gorman G.S, Freeman M.K ., Kyle J.A. Enzymatic Stability of Alteplase Solution for Injection: Effect of Various Methods of Thawing Frozen Solutions. Hosp Pharm 2016 ; 51, 3: 246-251.



Dictionary

	Thrombolytic		Injection
	Tradename		Stability in solutions
	Container		Molecule
	Concentration		Temperature
	Storage		Duration of stability
	Biosimilar		Conflicting data
	References		Polypropylen Syringe
	Water for Injection		Protect from light
	Day		Not specified
	Sodium chloride 0,9%		Hour
	Not specified		Factors which affect stability
	Solvent		Glucose 5%
	Induces		Degradation
	Reduced stability		Compatibility
	Compound		Immediate precipitation
	Incompatible		Immediate turbidity
	Chemical instability		Precipitation after 4 hours
	Precipitation after 24 hours		Unspecified incompatibility
	Compatible		Precipitation after 12 hours
	Route of administration		Intravenous
	Intravenous infusion		Intra-arterial
	References		Dictionary