

STREPTOKINASE

SYNONYMS	Plasminokinase
TRADE NAME	STREPTASE
DRUG CLASS	Thrombolytic
AVAILABILITY	Vial contains 250 000, 750 000 or 1 500 000 international units of streptokinase. Also contains albumin. ¹
pH	Dependent on the diluent used. ¹ Do not use diluents with a pH less than 6.5. ¹
PREPARATION	Reconstitute the vial with 5 mL of sodium chloride 0.9%. ¹ Solution may be slightly yellow. ¹
ADMINISTRATION	
IM injection	Not recommended
SUBCUT injection	Not recommended
IV injection	Not recommended
IV infusion	Dilute the dose in a convenient volume of compatible fluid, usually 100 mL of sodium chloride 0.9% and infuse using a rate-controlled infusion device over 30 to 60 minutes. ^{1,2} May also be given by continuous infusion. ¹ Suitable for intra-arterial and intracoronary use. ¹
STABILITY	Vial: Store at 2 to 25 °C. ¹ Reconstituted solution: Stable for 24 hours at 2 to 8 °C. ¹
COMPATIBILITY	Compatible fluids: Glucose 5% ² , sodium chloride 0.9% ^{1,2} Compatible via Y-site: Dobutamine ² , dopamine ² , glyceryl trinitrate ² , lignocaine ² More compatibility information is available. ³ Consult the pharmacist, pharmacy department or medicines information service for further information. Compatible in syringe: No information
INCOMPATIBILITY	Incompatible fluids: No information Incompatible drugs: Azathioprine ³ , bivalirudin ³ , chlorpromazine ³ , ganciclovir ³ , pentamidine ³ , promethazine ³ , vancomycin ³
SPECIAL NOTES	Anaphylaxis and mild allergic reactions have been observed. In myocardial infarction, monitor for hypotension and arrhythmias. Fever sometimes occurs and can be alleviated with symptomatic treatment. ¹ To minimise the risk of bleeding during treatment, venepuncture and physical handling of the patient should be performed carefully and as infrequently as possible, and IM injections must be avoided. ¹ Administration is contraindicated more than 5 days and less than 12 months since previous streptokinase therapy, and also immediately after streptococcal infections that have produced a high antistreptokinase titre e.g. acute rheumatic fever, acute glomerulonephritis. ¹ May be used for lysis of thrombosed arteriovenous haemodialysis shunts or central venous catheters. ¹ Consult the pharmacist, pharmacy department or medicines information service for further information on local guidelines.

REFERENCES

1. Product Information. AusDI [Internet]. Sydney: Phoenix Medical Publishing; 2006. Updated 28/11/13. Accessed 03/12/13.
2. Gray A, Wright J, Goodey V, Bruce L. Injectable drugs guide. London: Pharmaceutical Press; 2011.
3. Streptokinase. In: IV index. Trissel's 2 clinical pharmaceuticals database (parenteral compatibility). Greenwood Village, Colorado: Truven Health Analytics. Accessed 21/02/11.