

UROKINASE

BRAND NAME	U-FRAG, UROKINASE MEDAC, UROKINASI EG, ACTOSOLV, Syner-KINASE
DRUG CLASS	Thrombolytic
AVAILABILITY	<p>U-Frag vial contains 5 000 or 500 000 international units of urokinase. Also contains human albumin, mannitol, disodium hydrogen phosphate dihydrate and sodium dihydrogen phosphate dihydrate and phosphoric acid.¹</p> <p>Urokinase Medac vial contains 10 000, 50 000, 100 000, 250 000 or 500 000 international units of urokinase. Also contains disodium dodecahydrate, sodium dihydrogen phosphate dihydrate and human albumin.²</p> <p>Urokinasi EG vial contains 25 000, 100 000, 250 000, 500 000 or 1 000 000 international units of urokinase. Also contains mannitol, disodium edetate and sodium phosphate. Diluent vial contains sodium chloride and water for injections.³</p> <p>Syner-KINASE vial contains 10 000, 25 000, 100 000, 250 000 or 500 000 international units of urokinase. Also contains mannitol, disodium edetate, disodium phosphate and sodium hydroxide.⁴</p> <p>Available through the Special Access Scheme.</p>
pH	No information
PREPARATION	<p>U-Frag: reconstitute the vial with 2 mL of water for injections. Swirl gently to dissolve.¹</p> <p>Urokinase Medac: reconstitute the vial with water for injections: use 2 mL for the 10 000, 50 000 and 100 000 international units, use 5 mL for the 250 000 international units, use 10 mL for the 500 000 international units.²</p> <p>Urokinasi EG: reconstitute the vial with the diluent provided.³</p> <p>Syner-KINASE: reconstitute the vial with sodium chloride 0.9%.⁴</p> <p>The reconstituted solution is clear and colourless.^{2,4}</p> <p>Do not shake the reconstituted solution.^{1,5}</p>
STABILITY	<p>U-Frag: store at 2 to 8 °C. Protect from light. Use reconstituted and diluted solutions immediately.¹</p> <p>Urokinase Medac: store below 25 °C. The reconstituted solution is stable for 8 hours at 25 °C.²</p> <p>Urokinasi EG: store below 25 °C. The reconstituted solution is stable for 24 hours at 2 to 8 °C.³</p> <p>Syner-KINASE: store below 25 °C. Protect from light.¹ Use reconstituted and diluted solutions immediately.</p> <p>Solutions of 5000 international units/mL or less in glucose 5% in PVC containers experience significant losses due to sorption. Use sodium chloride 0.9%, or glucose 5% in glass containers.⁵</p>
ADMINISTRATION	
IM injection	Not recommended ^{2,4}
SUBCUT injection	Not recommended ⁴
IV injection	Not recommended
IV infusion	Dilute the starting dose in 15 mL of a compatible fluid and infuse over 10 to 20 minutes. Follow with a continuous infusion. ^{4,5}
Other	May also be given as an intra-arterial infusion. ¹⁻⁴ Check your local guidelines or consult the pharmacist, pharmacy department or medicines information service for more information.
	May be used for lysis of thrombosed arteriovenous haemodialysis shunts or central venous catheters. ¹⁻⁴ Check your local guidelines.

COMPATIBILITY

Fluids Glucose 5%¹⁻³, sodium chloride 0.9%¹⁻⁴

Y-site No information

INCOMPATIBILITY

Fluids No information

Drugs Hydralazine⁵, promethazine⁵, vancomycin⁵

SPECIAL NOTES

Common infusion reactions include fever and chills. Symptomatic treatment is usually sufficient. Do not give aspirin.²

Hypersensitivity reactions are rare and include rash, bronchospasm and very rarely, anaphylaxis.²

REFERENCES

1. U-Frag. Product information statement. Ambarnath, India: Bharat Serums and Vaccines Limited. Available from www.bharatserums.com. Accessed 02/07/2019.
2. Urokinase Medac. Product information. Hamburg, Germany. Medac GmbH. July 2010.
3. Urokinasi EG. Product information. Milan, Italy: EG SpA. Available from www.eglab.it. Accessed 02/07/2019.
4. Syner-KINASE. Summary of product characteristics. Purkey, UK: Syner-Medica Ltd. Approved 21/09/2006. Updated 13/12/2019. Available from www.medicines.org.uk. Accessed 11/02/2021.
5. Urokinase. In: IV index [Internet]. Trissel's 2 clinical pharmaceuticals database (parenteral compatibility). Greenwood Village, CO: Truven Health Analytics. Accessed 02/07/2019.
6. Gray A, Wright J, Goodey V, Bruce L. Injectable drugs guide. London: Pharmaceutical Press; 2011.