

Reagents for the USP assays for Unfractionated Heparin

Anti IIa	
Range 0.005-0.03 USP Heparin Unit/ml	
pH 8.4 Buffer	
5D Tris-NaCl-EDTA-PEG Buffer pH 8.4	Ref. HB0187
Package	Pouch
Reconstitution	dissolve pouch in water and make up to 1000 ml
Concentration	0.050 M Tris buffer pH 8.4 at 25°C 0.175 M NaCl 0.0075 M EDTA 0.10% (w/v) PEG-6000
Thrombin Human Solution	
5D Human Thrombin	Ref. HE0160
Package	100 IU per vial
Reconstitution	2 ml H ₂ O
Stock concentration	50 IU/ml
Dilute appropriate volume of stock 1:10 with pH 8.4 Buffer	
Final Concentration	5 IU/ml
Antithrombin III solution	
5-D Human Antithrombin	Ref. HE0162
Package	10 IU per vial
Reconstitution	2 ml H ₂ O
Stock concentration	5 IU/ml
Dilute appropriate volume of stock 1:40 with pH 8.4 Buffer	
Final Concentration	0,125 IU/ml
Chromogenic Substrate Solution	
5D - Chromogenic Substrate for Thrombin	Ref. HS0170
structure:	D-Phe-Pip-Arg-pNA
Package	25 mg per vial 40 µmol/vial (approximatly)
Reconstitution	8 ml H ₂ O
Stock concentration	5 mM
Dilute appropriate volume of stock 1:4 with H ₂ O	
Concentration	1,25 mM

Anti Xa	
Range 0.03-0.375 USP Heparin Unit/ml	
pH 8.4 Buffer	
5D Tris-NaCl-EDTA-PEG Buffer pH 8.4	Ref. HB0187
Package	Pouch
Reconstitution	dissolve pouch in water and make up to 1000 ml
Concentration	0.050 M Tris buffer pH 8.4 at 25°C 0.175 M NaCl 0.0075 M EDTA 0.10% (w/v) PEG-6000
Factor Xa Solution	
5D Bovine Xa	Ref. HE0161
Package	30 µg per vial
Reconstitution	2 ml H ₂ O
Stock concentration	15 µg/ml
Dilute appropriate volume of stock 1:5 with pH 8.4 Buffer	
Final Concentration	3 µg/ml
<small>(Absorbance blanc in 1 cm cuvette at 405 nm between 0.65 and 1.25)</small>	
Antithrombin III solution	
5-D Human Antithrombin	Ref. HE0162
Package	10 IU per vial
Reconstitution	2 ml H ₂ O
Stock concentration	5 IU/ml
Dilute appropriate volume of stock 1:5 with pH 8.4 Buffer	
Final Concentration	1 IU/ml
Chromogenic Substrate Solution	
5D - Chromogenic Substrate for Factor Xa	Ref. HS0171
structure:	D-Arg-Gly-Arg-pNA
Package	25 mg per vial 35 µmol/vial (approximatly)
Reconstitution	7 ml H ₂ O
Stock concentration	5 mM
Dilute appropriate volume of stock 1:5 with H ₂ O	
Concentration	1 mM