

REFERENCE GUIDE TO COAGULATION FACTOR CONCENTRATES

	ADVATE	Helixate NexGen	BENEFIX	FANHDI	PROTHROMPLEX PARTIAL	NOVOSEVEN
ACTIVE PRODUCT	RECOMBINANT FACTOR VIII	RECOMBINANT FACTOR VIII	RECOMBINANT FACTOR IX	HUMAN FACTOR VIII AND VWF	HUMAN FACTOR II, IX AND X	RECOMBINANT FACTOR VII
Indications for use In Children with Coagulation Disorders	Treatment of Factor VIII deficiency	Treatment of Factor VIII deficiency	Treatment of Factor IX deficiency	Treatment of von Willebrand Disease in patients not responsive to DDAVP.	Treatment of Factor X deficiency	Treatment of Bleeding in Factor VIII and IX deficiency with Inhibitors. Factor VII deficiency. Glanzmann's Thrombasthenia.
Vial sizes Available from Blood Transfusion Laboratory	250 (International Units) 500 " " 1000 " "	250 (International Units) 500 " " 1,000 " "	500 (International Units) 1,000 " "	500 (International Units)	600 (International units)	1.2mg = 60 KIUs 2.4mg = 120 KIUs 4.8mg = 240 KIUs KIU = Kilo International Units
Dose To Treat Bleeding Episode All Coagulation Factor Concentrates Are Prescribed in International Units EXCEPT for NovoSeven which is prescribed in micrograms or milligrams	$\frac{\text{Weight (kg)} \times \text{rise required (\%)}}{2}$ Rise Required = Desired Level of factor concentrate (%) – Baseline Factor Level (%) *	$\frac{\text{Weight (kg)} \times \text{rise required (\%)}}{2}$ Rise Required = Desired Level of factor concentrate (%) – Baseline Factor Level (%) *	$\frac{\text{Weight (kg)} \times \text{rise required (\%)}}{0.8}$	Usually 20-60 units/kg. Please refer to Reference 12, Clinical Haemostasis Guidelines, page 46 for further information on Fanhdi.	Discuss with Haematology Consultant.	F VII deficiency = 20-30 micrograms per kg: Patients with Inhibitors= 90 micrograms per kg. (May be increased up to 120 -180 micrograms) Glanzmann's Thrombasthenia 90 micrograms/kg
Dose for continuous infusion	4 international units/kilogram/hour	4 international units/kilogram/hour	6 international units/kilogram/hour	Not applicable	Not applicable	Not applicable
All Coagulation Factor Concentrates are Ordered and Issued from the Blood Transfusion Lab.	Stored only in the Lab issue fridge and satellite fridge at +2 to +8°C.	Stored only in the Lab issue fridge and satellite fridge at +2 to +8°C.	Stored only in the Lab issue fridge and the satellite fridge, +2 to +8°C.	Stored only in the Lab issue fridge and satellite fridge. (+2 to +8°C)	Stored only in the Lab issue fridge and satellite fridge. (+2 to +8°C)	Stored only in the Lab issue fridge and satellite fridge. (+2 to +8°C)
Preparation Reconstitute factor with sterile water provided as per product insert instructions. Use immediately following reconstitution.	No filter required Filter already in Baxject II Device	Use filter provided to draw up Helixate.	Use filter provided to draw up Benefix.	Use filter provided to draw up Fanhdi.	Use filter provided to draw up Prothromplex.	No filter required.
Administration +	Administered as a slow IV Bolus Max rate 10ml/min +May be given as a continuous infusion	Administered as a slow IV Bolus. Max rate 2ml/min. +May be given as a continuous infusion	Administered as a slow IV Bolus. Max rate 4ml/min. +May be given as a continuous infusion	Given as a slow IV Bolus. Max rate 3mls/min.	Given as a slow IV Bolus. Max rate 2ml/min.	Given as a slow IV Bolus over 2-5 mins

*Please refer to Reference 16, Clinical Haemostasis Guidelines P. 48 in the Haemostasis and Thrombosis Folder for further information on dose calculations for Factor VIII & F IX deficiency.

+Please refer to Reference 16, Clinical Haemostasis Guidelines P. 50 in the Haemostasis and Thrombosis Folder for information on continuous infusions.

This table is to be used in conjunction with Our Lady's Children's Hospital's Haemostasis and Thrombosis Protocol, (2006) located on all wards