

Pharmacy Information Notice

From Lynsay Lawless – Associate Director of Pharmacy (Clinical Services, Governance & Innovation) **Number** 2025/08

To All prescribers, pharmacy staff, nursing staff & laboratory staff **Date** 02/07/2025

Subject Switch from Beriplex 500IU® to Prothromplex TOTAL 500IU®

National Procurement have advised of a change in the brand of Prothrombin Concentrate (PCC), from Beriplex 500IU® to Prothromplex TOTAL 500IU® (human prothombin complex). NHS Ayrshire & Arran have very limited residual stock of Beriplex 500IU® therefore will switch to Prothromplex TOTAL 500IU® imminently.

Prothromplex TOTAL 500 IU® is a powder for solution for intravenous application. Each vial nominally contains the following International Units (IU) of human coagulation factors.

	per vial [IU]	after reconstitution in 17 ml sterilized water for injections [IU/ml]
Human coagulation factor II	375 – 708	22.5 – 42.5
Human coagulation factor VII	417	25
Human coagulation factor IX	500	30
Human coagulation factor X	500	30

Dosing advice for Prothromplex TOTAL 500 IU® is similar to Beriplex 500IU®, one International Unit (IU) of a coagulation factor activity is equivalent to the quantity in one ml of normal human plasma. The calculation of the required dosage of factor X is based on the empirical finding that one International Unit (IU) of factor X per kg body weight raises the plasma factor X activity by 0.017 IU/ml. The required dosage is determined using the following formula:

Required units = body weight (kg) x desired factor X rise (IU/ml) x 60

A flyer from the manufacturer of Prothromplex TOTAL 500IU® has been developed for NHS Scotland to provide high level product information and signpost to further clinical resources – see link [here](#) for reference. Please also refer to the [manufacturers Summary of Product Characteristics](#) for detailed dosing information.

Local guidelines which referred to Beriplex 500IU® are currently being updated to reflect the new product Prothromplex TOTAL 500IU®. Until updated guidelines are published, Prothromplex TOTAL 500IU® should be used where Beriplex 500IU® is recommended.

Actions:

- Pharmacy have ordered stock of Prothromplex TOTAL 500IU® and this will now be available for ordering
- All new patients who require treatment with Prothrombin Concentrate (PCC) should now be prescribed Prothromplex TOTAL 500IU®
- If relevant for your role, please familiarise yourself with the product administration guidance
- Please do not hesitate to contact Pharmacy for advice