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PCC

Prothrombin Complex
NTP0047

Product Overview

Name	PCC

Description

Prothrombin Complex

Synonyms

PCC, Prothrombin Complex.

Introduction

Prothrombin Complex Concentrate (PCC) is a combination of several blood clotting factors II, VII, IX and X. PCC is used in the treatment of the congenital bleeding disorders associated with Factors II, VII, IX, and X deficiencies. PCC reverses the effect of warfarin (a coumarin anti-coagulant) and is used in cases of significant bleeding in patients with a coagulopathy, for example, gastrointestinal haemorrhage or intracranial haemorrhage. The PCC is also extensively used in treating acquired coagulation abnormalities secondary to vitamin K deficiency, warfarin ingestion, and various types of liver disease. Hepatitis, anaphylaxis and thrombosis have been reported as complications of prothrombin complex concentrates administration.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

Lyophilized Powder from 0.1M sodium chloride and 10mM sodium citrate buffer.

Stability

Lyophilized Prothrombin-Complex although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Prothrombin-Complex should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Solubility

It is recommended to reconstitute the lyophilized Prothrombin Complex in sterile 18MΩ-cm H2O.

Precautions

PCC is for research use only and not for use in diagnostic or therapeutic procedures.