

# Canine Cryo-precipitate (Cryo-P)



*For animal treatment only*

## **Presentation:**

Canine Cryo-precipitate (Cryo-P) is a plasma fraction which is separated from fresh frozen plasma by a process of controlled thawing and centrifugation. It is a concentrated product containing the labile clotting factors Fibrinogen (factor I), factor VIII and von Willebrands factor.

One Standard Unit is approximately 60ml. This contains Cryo-precipitate in CPD anticoagulant.

## **Uses:**

Cryo-precipitate is indicated in the treatment of inherited clotting factor deficiencies such as Haemophilia A and von Willebrand's disease.

## **Dosage and Administration:**

Cryo-precipitate is intended for intravenous use only.

**Dosage:** The typical dose is 1-2 ml/kg. Patients with severe factor deficiencies may require a dose of 5 ml/kg.

**Rate of Administration:** The calculated dose should be given over 1 hour. If used as a pre-treatment of coagulopathy before surgery, the dose should be given within 4 hours of the event. Doses may be repeated as required to maintain normal coagulation.

**Administration:** Cryo-precipitate packs once thawed and breached for use must be used within 4 hours and any remaining after this time discarded.

**Always administer using a blood giving set** or suitable inline blood filter. Cryo-precipitate needs to be thawed to room temperature before administration. Do not mix or administer any other intravenous drugs or products through the same IV line.

**Monitoring:** The infusion should be commenced slowly and the patient monitored closely (see adverse reactions). It is recommended that patients be monitored using a transfusion record form, available to download from the Pet Blood Bank website.

## Precautions and Adverse Reactions:

Canine Cryo-precipitate is for use in puppies and adult dogs only.

**Precautions:** Inspect before use. If you have any concerns please contact Pet Blood Bank for further advice.

**Handling Precautions:** In case of accidental contact with skin, wash affected areas thoroughly with warm soapy water. Unused product and empty pack should be discarded and disposed of as clinical waste.

## Adverse Reactions to Cryo-precipitate:

Acute and delayed, Immunological and non- immunological transfusion reactions can occur with products of this type. These can manifest a variety of clinical signs. If during transfusion, tachycardia, increased temperature, hyperventilation, emesis, hives or trembling occur slow the transfusion down. Categorise the type of reaction and treat appropriately. Should serious symptoms continue the transfusion should be abandoned.

Delayed reactions can occur days to weeks post transfusion. All potential transfusion reactions should be reported immediately using potential transfusion reaction forms, available to download from the Pet Blood Bank website.

**Storage:** Cryo-precipitate must be stored at  $-18^{\circ}\text{C}$  or below. A chest freezer is preferred due to the improved temperature stability offered. Freezers with a defrost cycle must not be used. The lower the storage temperature the more reliable the retention of the coagulation factors within the product.

**Leakage:** If leakage becomes apparent the entire pack must be discarded.

**Shelf Life:** Cryo-precipitate has a shelf life of 1 year from date of collection. The product label indicates the expiry date.

**Warming:** Remove carefully from the freezer & protective packaging, as the pack becomes quite brittle when frozen and may easily crack or be otherwise damaged through rough handling. To prepare for administration passive warming at room temperature is recommended. Where active warming is required do NOT use a microwave oven. Place in a waterproof zip lock bag and immerse the bag in a water bath of not more than  $37^{\circ}\text{C}$ .

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## Non-Food Animal Blood Bank Authorisation: No. Abb30549/8000

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