

# Canine Fresh Whole Blood (FWB)



*For animal treatment only*

## **Presentation:**

Canine Fresh Whole Blood (FWB) is to be administered within 6 hours post collection. It contains red blood cells, platelets, leucocytes and all plasma proteins including the labile and non labile clotting factors.

One Standard Unit is approximately 450ml. This contains Fresh Whole Blood in 63ml of CPD anticoagulant.

## **Uses:**

Fresh Whole Blood may be used in the treatment of anaemia or other disorders of oxygen transport, when hypovolaemia is also a concern. It may be used in the treatment of acute blood loss (traumatic or surgical haemorrhage).

Fresh Whole Blood is the only product that may have an effect in disorders where platelets and leucocytes are required.

## **Dosage and Administration:**

Fresh Whole Blood is intended for intravenous use only.

**Dosage:** As a general estimate 2 ml/kg of Fresh Whole Blood will raise the PCV by 1 percentage point or the haemoglobin level by 0.3 g/dl.

**Rate of Administration:** The calculated dose should be given within 4 hours to normovolaemic patients. Hypovolaemic patients may tolerate or require transfusion more rapidly. Fresh Whole Blood should be used with caution and rapid transfusion should be discouraged in patients with cardiac disease or risk of circulatory embarrassment.

**Administration:** Fresh Whole Blood packs once breached for use should be used within 4 hours and any product remaining after this time discarded.

**Always administer using a filtered blood giving set** or suitable inline blood filter. Gently re-suspend Fresh Whole Blood by inversion prior to spiking pack. Do not mix or administer any other intravenous drugs or products through the same IV line. 0.9% saline ONLY can be used to flush IV lines and catheter.

**Monitoring:** The infusion should be commenced slowly and the patient monitored closely (see adverse reactions). It is recommended that patients be monitored using the standard transfusion record form supplied by Pet Blood Bank.

## Precautions, Warnings and Adverse Reactions:

Canine Fresh Whole Blood is for use in puppies and adult dogs only.

**Precautions:** Inspect before use. If there are 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.

**Warning:** Care should be taken to avoid volume overload.

## Adverse Reactions to Fresh Whole Blood:

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 the 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 a potential transfusion reaction form, available to download from the Pet Blood Bank website.

**Storage:** Fresh Whole Blood must be stored at room temperature and used within 6 hours of collection.

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

**Shelf Life:** Fresh Whole Blood if not rewarmed or breached for use within 6 hours can be relabelled as Stored Whole Blood and refrigerated at 2-6 °C and have a shelf life of 21 days from the date of collection. See Stored Whole Blood Data sheet.

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

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