CANINE ALBUMIN, Lyophilized, 5 gm

FOR INTRAVENOUS USE IN DOGS ONLY

Caution: This blood component may only be used by or on the order of licensed veterinarian.

(800) 243-5759
www.ABRINT.net

INDICATIONS and USAGE

Canine albumin is indicated for the treatment of hypovolemic shock or hypoalbuminemia regardless of the etiology. Administration of this product is a temporary means of support and not intended to permanently alleviate clinical signs of shock or low protein.

DOSAGE and ADMINISTRATION

Canine albumin is recommended for intravascular administration only. This solution may be administered in conjunction with, or combined with, whole blood, pRBCs, plasma, saline, or glucose.

Hypotensive patients

Canine albumin may be administered as a hypertonic 16% solution with the goal of acute volume expansion and maintaining an adequate intravascular volume. The total dosage and rate of administration will vary with the individual patient. The dose of 450 - 800 mg/kg administered over a 4 - 8 hour period is suggested.

An accompanying document synopsizing published dosages of canine and human albumin in dogs is available at our website www.ABRINT.net.

Hypoalbuminemia

The total volume of albumin solution to be administered is dependent upon the veterinarian's assessment of the individual dog and the accompanying clinical syndrome. The goal of albumin supplementation in hypoalbuminemic dogs should be to raise plasma albumin to a maintenance level of 2.0 - 2.5 gm/dL. It is recommended in normovolemic dogs to administer a 5% (isotonic) solution as a constant rate infusion over several hours. A 450 mg/kg dose is required to raise the serum albumin by 0.5 g/dL.

A maximum of 2g/kg of canine albumin per day is recommended.

DOSAGE FORMS and STRENGTHS

Rehydration: Canine albumin 5g, lyophilized, should be rehydrated with 0.9% sterile saline or Normosol®. A 5% Dextrose solution may also be used as a diluent. Room temperature diluent should be used. After addition of the diluent, gently swirl the product until all powder is rehydrated. Once diluent is added, the vial may be warmed in a 98.6 °F water bath to speed rehydration. Alternate concentrations may be utilized by following the chart below:

CONCENTRATION	AMOUNT OF DILUENT
16%	30 ml
10%	49 ml
5%	100 ml

CONTRAINDICATIONS

Dogs with a pre-existing condition resulting in volume overload should be monitored carefully during administration of hyperosmolar products like canine albumin. A rate of 1 ml/min is recommended as a maximum for normovolemic patients or patients with the above mentioned conditions.

Administration of 5 grams of canine albumin in 30 ml of diluent (16% solution) will result in the osmotic draw of approximately 120 ml into the intravascular space within 15 minutes. Dogs with anemia or extreme dehydration should not receive canine albumin unless concurrent red blood cell products or appropriate fluid therapy is first administered. A history of allergic reactions to albumin (human or canine) is a specific contraindication for use.

Current As Of: **DEC 2019**

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WARNINGS and PRECAUTIONS

DO NOT use sterile water for rehydration of this product.

This product is made from source canine donor plasma. As with all blood products and components there is a risk of infectious disease. The risk has been minimized by prescreening donors and carefully monitoring for bacterial growth through culture and endotoxin evaluation during processing. However, owners of patients should be made aware of the use of albumin and its possible side effects. All infections thought by a veterinarian possibly to have been transmitted by administration of this product should be reported to the Department of Veterinary Services at Animal Blood Resources International, (800) 243-5759.

ADVERSE REACTIONS

Potential reactions to canine albumin in recipient dogs may include nausea, peripheral vasodilation and urticaria. Individual anaphylactic reactions cannot be ruled out but are considered extremely rare.

DESCRIPTION

Canine albumin, lyophilized 5 gm, contains 5 grams of 98% canine albumin without preservative. This product is produced by pooling source plasma from active donors in the ABRI donor population. The product is produced by a combination fractionation process utilizing Cohn's technique and heat shock processing. All source plasma must meet in-house infectious disease standards. Canine albumin does not contain DEA isoagglutins; therefore, no blood type or crossmatch is required prior to administration. It is a sterile, nonpyrogenic powder with a molecular weight of 60,000 kD. An endotoxin level of 0.10 EU/ml or less is present.

CLINICAL PHARMACOLOGY

Canine albumin is a 98% pure canine albumin used for intravenous infusion to stabilize hypovolemic shock or hypoalbuminemia. Infusion of canine albumin results in the expansion of blood volume through an increase in osmotic pressure. Elimination of this product is estimated between 20 and 24 days with a half-life of 10 to 12 days.

STORAGE CONDITIONS

This product is shipped at room temperature or 39.2 - 42.8 ^{o}F. Canine albumin should be stored at 39.2 - 42.8 ^{o}F (refrigerated) until use. Once reconstituted, use within 6 hours. Discard unused, reconstituted product. The non-reconstituted product is stable for 36 months as labeled.

NON-CLINICAL TOXICOLOGY

A study involving normovolemic beagles was performed. Canine albumin was administered once weekly for four weeks without evidence of adverse reaction. Beagles were evaluated for 5 weeks post final administration. No evidence of adverse effect or antibody formation was found.

Canine albumin is prepared and supplied by Animal Blood Resouces International.

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