



# CANIPLAS®

## FRESH FROZEN CANINE PLASMA

Caniplas is the first canine plasma in the world to receive any federal regulatory approval. The Australian Pesticides and Veterinary Medicines Authority (APVMA), formerly the NRA, approved Caniplas as a veterinary biological preparation, for sale to Australian veterinarians ONLY, on Monday 7 April 2003. This represents a revolution in the canine plasma industry.

For too long vets have been forced either to “make” their own plasma, or to have the veterinary blood bank make it for them, or purchase plasma from the veterinary blood banks. This plasma is produced by spinning a bag of blood in a “bag spinner” at approximately 2,000 rpm. In spite of this low speed (poor) separation of plasma from cells, no quality control tests are performed on this plasma. Nor are any efforts made to hyperimmunize the donor dogs, or to keep them in a quarantined facility. In addition, no stability trials have been performed to assess the shelf-life of the plasma, although many outrageous claims are made by some (blood bank) producers.

In contrast, Caniplas Fresh Frozen Canine Plasma is produced with the following features:

- 🔥 We have our own kennel of donor dogs, which are maintained in a quarantined situation
- 🔥 All donors qualify as Universal Plasma Donors
- 🔥 All donors are hyperimmunized
- 🔥 All donors are checked to be free of blood-borne diseases
- 🔥 All batches are Quality Control tested for:
  - Safety and Purity – minimal contamination with blood cells
  - Potency – all plasma is at least 10g/L gamma globulin concentration
  - Sterility

- 🔥 All batches are free of pyrogens/endotoxins – because each batch is produced with a sterile disposable collection kit
- 🔥 Caniplas has a proven shelf life of THIRTY MONTHS
- 🔥 Caniplas is SNAP FROZEN, to ensure the clotting factors are preserved
- 🔥 Caniplas is available WHEN you want it, via same day delivery from the wholesaler

Experience in veterinary practices with the use of our canine plasma, which formed the Safety and Efficacy trials for the APVMA registration application, showed that Caniplas was extremely effective in shortening the treatment periods and increasing the survival rates of the following conditions:

- 🔥 Acute Pancreatitis – used as the first line of treatment in a number of cases, some quite serious, in terms of clinical signs and enzyme levels, were completely recovered, able to eat, and discharged within 2-3 days of admission
- 🔥 Parvovirus infection
- 🔥 Rotavirus infection
- 🔥 Any diarrhoea, which is serious enough to necessitate fluid therapy
- 🔥 Occult bleeding (e.g. lungs), even with no history of ratsak ingestion
- 🔥 Severe tissue trauma, such as with motor vehicle accidents or major surgery (amputations in large dogs)



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- 🔥 Von Willebrand dogs, to top up clotting factors, before surgery
- 🔥 Thrombocytopenia whatever the cause (chemotherapy, *Ehrlichia platys* infections)
- 🔥 Glomerulonephritis
- 🔥 Hypoproteinaemia
- 🔥 Pups post dystocia or post caesarian (use orally or intraperitoneally)
- 🔥 Coagulopathies
  - Excellent for "all Ratsak" poisonings, used before the PCV gets low enough for blood transfusion to be indicated, very desirable if it averts an (unmatched) blood transfusion. The Vitamin K treatment is still necessary, but can be given by tablet at home.
  - Envenomations – all snake venoms interfere with the blood clotting process
  - Disseminated Intravascular Coagulation
- 🔥 Acute Corneal Ulcers (topically)

Caniplas is supplied in 200mL bags. The recommended dose will be one bag per 20-30Kg body weight. Patients requiring ongoing hospitalization may require repeat treatment with Caniplas. The recommended rate of administration is 5-10mL/Kg BW per hour.

## STORAGE

Caniplas must be stored deep-frozen. At this temperature, the expiry date of Caniplas is THIRTY months from the date of production. The plasma should arrive at the client still frozen if possible, which means the use of dry ice (road transport), or at least lots of freezer bricks, for same day delivery.

If thawing occurs during transit, the plasma should be immediately re-frozen. Our own research has shown that repeated thawing and re-freezing of plasma does not affect GG levels. **However, clotting factors are lost with repeat freezing.** Therefore, some clients will demand a product exchange if any thawing occurs, so it is important for the plasma to be kept frozen from the time of arrival at the wholesaler, until arrival at the veterinary clinic.

If the Caniplas is thawed upon ordering from Plasvacc, contact us immediately for replacement stock.

Once thawed, the plasma should be used immediately, or refrigerated and used within 7 days.

Thawed frozen plasma will often contain small particles of Fibrin (clot material) which may be microscopic, or bigger, even resembling "Lux Flakes". The presence of these particles is completely normal and acceptable - this is the reason blood giving sets with 200 micron filters **MUST** be used for each transfusion.

Thawing Caniplas is much easier than making your own plasma when you need it in an emergency situation. It takes a lot of trouble to make plasma for yourself, unless you own a bag spinner, and even then you do not know what you are giving to the recipient.