

APVMA Approval No. 63265 (Australia) | ACVM No. A10081 (New Zealand)

Arthropen® Vet 250 Injection

An aid in the treatment of non-infectious inflammatory joint disease in horses.

Active Constituent

Pentosan Polysulfate Sodium 250 mg/mL

Pack Size

12 x 6mL Single Dose Vials
50mL Multi Dose Vial



Description

Arthropen Vet 250 Injection is a sterile solution formulated as an aid in the treatment of non-infectious inflammatory joint disease in horses.

Pharmacology

Pentosan polysulfate (PPS) is a semi-synthetic polysaccharide with a linear xylan (pentosan) backbone. Xylan is a hemicellulose derived from plant origin by extraction from the cell walls of hardwoods. PPS possesses anti-inflammatory, anti-arthritic and chondroprotective activities. The beneficial effects of pentosan polysulfate in joint disease are due to the following actions:

- Anti-inflammatory activity.
- Inhibition of neutrophil migration into the joint.
- Stimulation of hyaluronic acid synthesis by synovial fibroblasts, resulting in increased volume and viscosity of synovial fluid.
- Stimulation of proteoglycan synthesis by chondrocytes.
- Fibrinolytic activity, resulting in improved circulation to subchondral bone and peri-articular structures.

Clinical Application

Arthropen Vet 250 Injection is indicated as an aid in the treatment of non-infectious, inflammatory joint disease in the horse. Clinical applications include the following conditions: osteoarthritis, osteochondritis dissecans (OCD), traumatic joint and peri-articular inflammation. If used in performance animals, the regulations of the relevant authorities regarding medication should be observed.



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Precautions

Due to the anti-coagulant properties of PPS, bleeding from local blood vessels following intra-articular administration is more likely if PPS is left in contact with the tissue along the injection track. The following steps are recommended for intra-articular injection with Arthropen Vet 250 Injection:

- (i) Prepare site as for surgery, avoiding iodine based skin preparations. Use a neutral, soapless skin cleanser.
- (ii) A 20 gauge non-cutting needle is suitable for injection. Introduce into the joint space with steady even pressure.
- (iii) Allow approximately 1 mL of synovial fluid to escape before attaching the syringe containing Arthropen Vet 250 Injection. Withdraw synovial fluid into the syringe if possible before injecting into the joint.
- (iv) Draw back on the syringe once or twice to mix Arthropen Vet 250 Injection with synovial fluid.
- (v) Apply a firm elastic bandage around the joint for 3 to 4 hours after injection and keep the horse in a confined space during this time. Careful technique, avoiding tissue damage, and firm postinjection bandaging will minimise the risk of intra-articular haemorrhage, which is the most common cause of acute inflammatory swelling following intra-articular injection.

Dosage and Administration

Use contents within 28 days of first broaching of the vial. Discard the unused portion.

Dose Rate

Intra-muscular: 3 mg/kg (6 mL/500 kg horse) intramuscular on four occasions with an interval of 5-7 days between injections.

Intra-articular: 1 mL by intra-articular injection. May be repeated at weekly intervals for 3 to 4 treatments. More than one joint may be treated at the one time. The horse should be rested for 2 weeks after the final injection, followed by a further 2 weeks of graded walking exercise before returning to work.

Meat Withholding Period (Horses): DO NOT USE less than 28 days before slaughter for human consumption.

First Aid: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126 or in New Zealand 0800 764 766.

Disposal: Dispose of empty container and outer packaging by wrapping with paper and putting in garbage. Discarded needles/sharps should immediately be placed in a designated and appropriately labelled "sharps" container.

Storage: Store below 25°C (air conditioning). Do not freeze. Protect from light. Store vials in an upright position.