

Vitamin C Injection

Supplement of Vitamin C (Ascorbic Acid)

COMPOSITION

Contains: Ascorbic acid 500 mg/mL

ACTIONS

VITAMIN C (Ascorbic acid) INJECTION provides Vitamin C supplementation.

* VITAMIN C is essential to normal joint cartilage maintenance and repair.

* VITAMIN C acts to reduce stress and improves cardiovascular function.

How Does It Work?

Vitamin C is an essential coenzyme in certain metabolic processes, particularly in the metabolism of the amino acids Tyrosine and Phenylalanine, collagen synthesis in ligaments, tendons and joint cartilage, synthesis of L-Carnitine, red blood cell formation, and modulating immune responses, as well as in the maintenance of healthy skin. It is also essential in the conversion of Folic acid, and in promoting the absorption of Iron from the gut. Vitamin C has a role in the metabolism of certain steroid hormones, and high levels of Vitamin C are found in the Adrenal gland in times of stress.

VITAMIN C has a major role as a potent antioxidant to remove toxic free radicals produced during hard physical exercise.

VITAMIN C is critical and essential in the maintenance and repair of joints and joint cartilage, synthesis of collagen, proteoglycans and other joint components, tooth, bone, skin and blood vessel maintenance, and in the healing and repair of wounds, burns and fractures.

Vitamin C is essential in the synthesis of L-Carnitine.

Like the B Complex vitamins, Vitamin C is water soluble, and is not well stored in the body. It is rapidly absorbed and equally as rapidly excreted, so must be supplemented on a regular basis.

Horses are able to synthesise Vitamin C in normal circumstances, but failure of liver enzyme systems can initiate a deficiency.

Key Features & Benefits:

* VITAMIN C is a major antioxidant to neutralise free radicals.

* VITAMIN C enhances tissue healing and growth.

* VITAMIN C improves immune function and acts as an anti-inflammatory agent.

DOSAGE AND ADMINISTRATION

Give 5 - 10 mL by intramuscular injection regularly twice weekly, or



as advised by a veterinary surgeon.

VITAMIN C can be safely used with all Nature Vet products.

WARNINGS

Export Slaughter Interval (Horses): Nil

PRESENTATION

100 mL sterile injection for intramuscular or intravenous injection.

STORAGE

Store below 25°C (Air Conditioning). Protect from light

AVAILABILITY

For General Sale (APVMA 51119)

NOTES

Vitamin & Nutrient Interactions: There are close interactions between many essential nutrients. Some of these relationships are extremely complicated, such as the close interaction between Vitamin E and Vitamin B12, calcium, magnesium, Vitamin C, iron, Vitamin A and zinc.

Using large doses of Vitamin C also increases requirements for Vitamin B6, Vitamin B12, zinc, folic acid, and choline.

Vitamin C enhances tissue growth and wound healing, acts as a major antioxidant to neutralise free radicals, improves immune function and response, especially in stressed horses, acts to reduce stress, and is critical in the maintenance and repair of joint cartilage and tendons.

As a water soluble vitamin, Ascorbic acid must be supplemented regularly two to three times weekly. VITAMIN C is essential in the maintenance and repair of joint cartilage.

HANDY HINT

As an alternative to Injectable Vitamin C, consider using HI-VITE C with BIOFLAVINOIDS oral paste.