

L-Carnitine Injection & Paste

L-carnitine amino acid supplement to enhance energy production for performance in horses and dogs

COMPOSITION

L-Carnitine 200 mg/mL

ACTIONS

- * Muscle levels of L-CARNITINE determine the exercise capacity of muscles.
- * L-CARNITINE forms the essential transport system for use of fats as an energy source.
- * L-CARNITINE may help delay muscle fatigue and improve endurance.
- * L-CARNITINE is essential for normal heart function.
- * Performance horses recover more efficiently when supplemented with L-CARNITINE.

L-CARNITINE is an amino acid which helps transport fats into muscle cells. It is essential in the transport of fats into muscle cells for energy production. The muscle levels of L-CARNITINE determine the exercise capacity of muscles. By using fats as energy for muscle contractions, the body is sparing glycogen and delaying the accumulation of lactic acid.

L-CARNITINE delays muscle fatigue by reducing lactic acid formation, and improves performance and endurance.

L-CARNITINE forms an essential part of the transport system which moves fatty acids into the mitochondria (cell furnaces) for energy production. It thus acts as a buffer by inhibiting lactic acid buildup in muscles, helping to delay fatigue and prevent Tying Up. Demand for L-CARNITINE in heavily exercising horses is often not met from the diet, as large amounts are consumed during exercise. Supplementing with L-CARNITINE results in improved energy supply, increased use of fatty acids as an energy source, decreased lactate buildup, and a significant increase in maximum work output.

L-CARNITINE is essential for normal heart function.

Supplementing with L-CARNITINE improves both sprint and endurance performance. Performance horses can rapidly run out of glycogen as an energy source, but will rarely run out of fats. Mobilising fats as an energy source helps prevent the accumulation of lactic acid in muscles, hence delaying fatigue and possible Tying Up, and significantly improving the capacity of muscles to work harder for longer.



INDICATIONS

To improve both sprint and endurance performance

DOSEAGE AND ADMINISTRATION

Paste: 10 mL orally 2 - 3 times weekly.

Injection: 3 mL per 100 kg bodyweight (15 mL per average horse) by intravenous or intramuscular injection 2 - 3 times weekly.

Give final dose 4 - 6 hours before hard or fast work.

Preferably use pastes for regular supplementation, and those who prefer injectables may consider the injection pre-event, to achieve high blood levels. (Sole use of paste formulations will not reduce the effect in any way).

Veterinarians have reported significant improvement in horses using high doses of 20 - 25 mL twice weekly.

WARNINGS

Export Slaughter Interval (Horses): Nil

PRESENTATION

30 g multidose paste syringe - 12 per outer.

250 g paste pot - 6 per outer.

100 mL sterile injection for intramuscular or intravenous injection.

STORAGE

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

AVAILABILITY

For General Sale (APVMA [Injection] 40293)

HANDY HINT

L-CARNITINE is commonly used in combination with HI-OCTANE, AMP-5, CREATINE, COPHOS B, TRIPART and PANACIN. It can be alternated with MITACHONDRAL injection as necessary