

Energy for cows
muscle energy at calving
appetite
tonic
Increased blood flow



Richtafort™

Phosphorus 12.5%

+

Vitamin B₁₂

100ml Injection

Richtafort™ Phosphorus Supplement 12.5% + Vitamin B₁₂ Injection

ENERGY

- Phosphorus → ATP → ADP → AMP → energy
- Increases cardiac output and blood flow
- Increases energy to muscles during and after calving

DOSAGE – FOR MUSCLE ENERGY

One dose (20-25mL) immediately after calving

- Instant muscle energy at calving
- Increases heart rate and blood circulation
- Promotes appetite

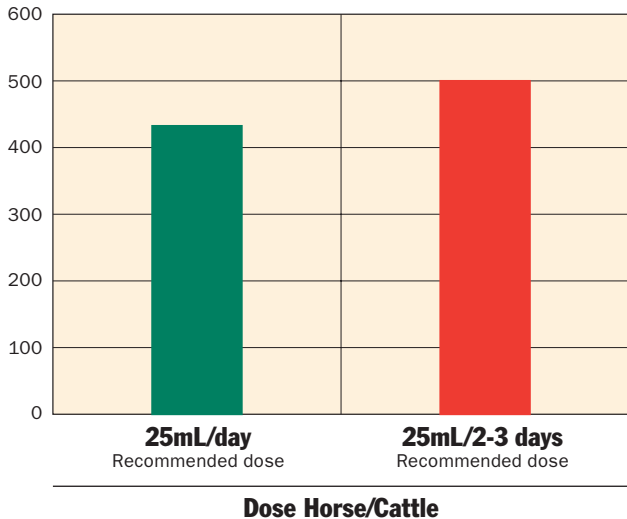
Repeat dose 20-25mL every second day or as required.

WITHHOLDING PERIOD: NIL

No withholding period after treatment. Milk can be fed to calves, 'bobby calves' sold, milk into the vat without a withholding period.

Comparative levels of phosphorus (mg) at recommended dose

Mg per dose



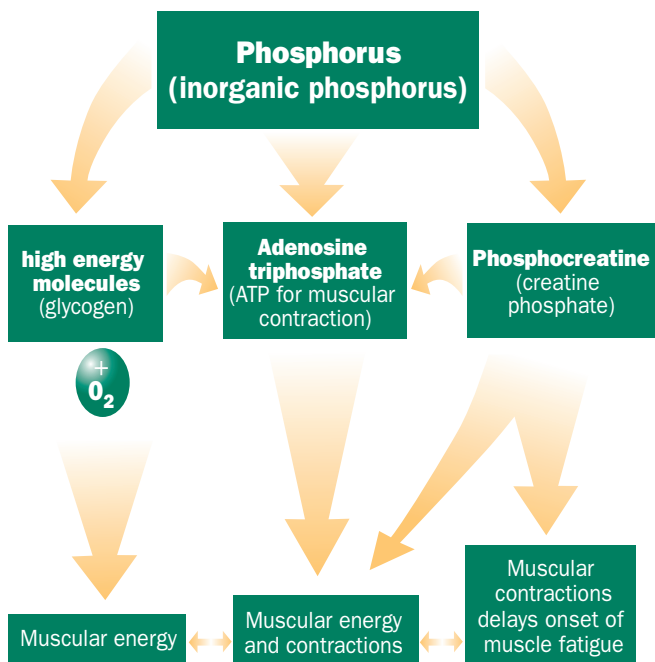
■ Catosal® 10%

100mg butaphosphan 50µg Vitamin B₁₂/mL (Bayer)

■ Richtafort™ 12.5% phosphorus supplement + Vitamin B12

125mg sodium-oxybenzylphosphinic acid 50µg Vitamin B₁₂/mL (Ausrichter)

Phosphorus and Muscular Energy



Adapted

Early R.J. Minerals www.svpa.hawaii.edu
Stauber W, Skeletal Muscles 11 www.hsc.wvu.edu
1 Radostitis et al Vet Med. 8th edition

PHOSPHORUS & MUSCLE ENERGY

The calving cow has a high demand for muscle energy. Muscle energy is quickly depleted by high demands during and after calving.

Phosphorus is converted into the muscle energy molecule adenosine triphosphate (ATP). When energy is required ATP is converted to adenosine diphosphate (ADP), and muscle energy is released. ADP is then converted to adenosine monophosphate (AMP) with even higher release of muscle energy.

Anorexia (lack of appetite) at calving reduces phosphorus intake and muscle energy – just when cows need muscle energy most!

Treat cows at calving with **Richtafort™ Phosphorus Supplement 12.5% + Vitamin B12 Injection** – for muscle energy.

ACTIVE CONSTITUENTS

Each mL contains

SODIUM OXYBENZYL PHOSPHINIC ACID 125mg

(equivalent to 20mg/mL Phosphorus) CYANOCOBALAMIN

Vitamin B₁₂ 50µg/mL

ACTIONS

Phosphorus is essential for bone and skeletal development. It promotes carbohydrate metabolism; energises skeletal and cardiac muscle, and supports metabolic function.

Vitamin B₁₂ influences red blood cell production and improves carbohydrate and protein utilisation.

DIRECTIONS FOR USE

For intramuscular or subcutaneous injection in cattle, horses and dogs. May also be administered intravenously via the jugular vein in horses.

Injection to be given into the anterior half of the neck in food producing animals.

Cattle 10-25mL **Calves** 5-12mL **Horses** 10-25mL
Foals 5-12mL **Dogs** 1-5mL

Repeat every second day as required.

Prevent infection by using only sterilized equipment, cleansing the site of infection with methylated spirits before administration.

WITHHOLDING PERIOD: NIL

Store below 25°C (air conditioning). Protect from light.

Presentation: 100mL multi-dose vial.

Prescription Animal Remedy (P.A.R.) Class 1.

For-use only under the authority or prescription of a veterinarian.

Registered pursuant to the ACVM Act 1997

No. A4825.

See www.nzfsa.govt.nz/acvm for registration conditions.

Store below 25°C. Protect from light.

Manufactured by: Richter Pharma Austria

Licensed under the Animal Remedies Act 1967.

No. 4825. Prescription Animal Remedy (PAR) Class 1.

Use only following a veterinary consultation.

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