

CONVITAL R & CONVITAL EQUILYTES



Throughout the world the name Convital is synonymous with high quality supplementation for the racing horse.

Our highly trained technical team work to ensure that Convital products meet and exceed the demands of the modern performance horse.

By using the highest quality raw materials and most technical, precise manufacturing processes Convital has earned the trust of horse owners worldwide.

CONVITAL R

A highly concentrated, palatable vitamin and mineral supplement which contains 7 essential vitamins and 11 vital minerals and trace elements, in a balanced ratio, specifically formulated for horses in training.

Why Use Convital?

- ✓ 7 vitamins, 11 minerals
- ✓ Highly palatable
- ✓ Adds shine to the coat
- ✓ Excellent hoof care
- ✓ Precise, accurate supplementation
- ✓ Highly concentrated
- ✓ Boosts immune system
- ✓ Consistent results
- ✓ Balanced ratio specifically formulated for horses in training.
- ✓ 75-150 doses
- ✓ 'Winter dose' to maintain condition out of season
- ✓ Suitable for horses competing at all levels



Are all 'racing supplements' the same?

NO. These products are not licenced or regulated.

At Bimeda we have a highly technical team who specialise in equine health from supplements to veterinary products giving us the knowledge to ensure we provide the most specialised formulation available.

Convital R has been specially formulated with scientifically balanced vitamins and minerals to maintain the horse's strength and vigour and to lay the foundations to ensure the best performance of which they are capable.

An inadequate diet will lead to deficiency diseases and disturb the horse's metabolism. This increases the animal's susceptibility to injury and lowers resistance to disease and illness.

Because of the tremendous exertion the horse undergoes and the high degree of co-ordination required between the nervous system and the muscles, it's easy to appreciate why the energy needs of the exercising horse are so great.

Can I use Convital R when my horse is out of work?

Yes! Winter maintenance dose helps maintain muscle tone out of season and ward off infection by boosting the immune system.

Convital R Contains:

Additives;	per 60ml.
Vitamin A	40,000 iu
E 671 Vitamin D3	6,000 iu
Niacinamide	120 mg
Vitamin E	80 mg
Pantothenic Acid	60 mg
Vitamin B2	40 mg
Vitamin B1	30 mg
Vitamin B6	12 mg
Vitamin B12	115 mcg
Trace Elements;	
E1 Iron (as Ferrous Citrate)	68 mg
E5 Manganese (as Manganous Sulphate)	13 mg
E4 Copper (as Copper Sulphate)	9 mg
E6 Zinc (as Zinc Sulphate)	9 mg
E3 Cobalt (as Cobaltous Sulphate)	1.44 mg
E2 Iodine (as Potassium Iodide)	1.08 mg

Instructions for Proper Use;

Convital R should be added to the normal feed ration;

Horses in training	60ml. daily
Ponies	30ml. daily



CONVITAL EQUILYTES

Potassium, magnesium and calcium ion, oral electrolyte paste in an amino acid chelate form for the hard-working horse

BENEFITS

- ★ Electrolyte paste for horses
- ★ Fast acting, highly absorbant and bioavailable in minutes
- ★ Palatable due to molasses base
- ★ Special formulation containing potassium, magnesium and calcium ions in an amino acid chelate form
- ★ 3 x 60g presentation ideal for horses in training



What are electrolytes?

Electrolytes are minerals dissolved in the bloodstream which are integral to many important processes. The electrolytes contained in Convital Equilytes are Calcium, Potassium and Magnesium which are the most important for a horse undertaking strenuous exercise.

Calcium is critical for transmitting nerve impulses leading to contraction of the muscles.

Potassium is vital for regulation of the heartbeat and muscle function.

Magnesium is required to maintain a steady heartbeat and ensures normal nerve and muscle function.

What happens when a horse works hard?

Prolonged work will induce sweating which results in large quantities of these ions being lost, leading to fatigue, exhaustion and poor performance.

During maximum physical exertion your horse can produce 32 pounds of sweat. He's not just losing water- he's losing the electrolytes essential for smooth, efficient muscle function.

Every muscle used during movement produces heat and releases potassium into the bloodstream. As a result the veins and arteries expand to increase their maximum

carrying capacity which helps take heat away from the muscles and deliver more oxygen to the working muscles.

As water is drawn out of the cells to produce sweat, the muscles operate with decreasing efficiency.

The horse becomes weak and exhausted from the lack of potassium. The magnesium lost can result in fatigue and muscle cramps.

Calcium is also excreted in the horse's sweat and this loss can result in metabolic imbalance known as 'thumps'. This is where the diaphragm spasmodically contracts, synchronised with the heartbeat.

No amount of training can account for poor performance due to dehydration and electrolyte imbalances.

How can exhaustion be prevented?

To prevent dehydration, exhaustion and metabolic disorders, your horse needs water and electrolytes during and after physical stress and he needs them in the body tissues where they can act to keep his muscles performing at their peak.

Your horse also needs glucose which is the only carbohydrate that is used for energy and is the by-product of fructose metabolism. Glucose is stored in the form of muscle glycogen which is depleted as it is used for fuel by the working muscles.

CONVITAL EQUILYTES

How do some of the supplements work?

Replacing with electrolyte salts is unpredictable. The salts of potassium, magnesium and calcium, given in food or water, may or may not be absorbed in to the bloodstream for the following reasons:

- ✓ Ions require 'transporting proteins' to carry them from the intestines to the bloodstream. Competition for these carriers can limit/reduce absorption.
- ✓ Concentration of each ion
- ✓ Differing solubility of the ions and associated molecules.

The athletic horse needs to have lost electrolytes replaced rapidly and in a predictable manner.

Why is Convital Equilytes different?

Equilytes contains potassium, magnesium and calcium ions concentrated in an amino acid chelate form which makes them highly absorbable and rapidly bioavailable.

As a stable amino acid-electrolyte chelate, equilytes is not ionized in the gut but is absorbed intact through a different pathway. As a result there is no need for the electrolytes to wait for a 'transporter protein' to carry them from the gut to the bloodstream.

- ✓ This means that the electrolytes are transported across the gut wall in minutes rather than hours where they become bioavailable immediately.
- ✓ Equilytes provides your horse with fructose which acts as a rapid energy source for the body and the amino acid L-glutamine which acts as an energy source for the brain to keep your horse alert and focused.
- ✓ Glutamine passes rapidly through the blood brain barrier and is transformed into glutamic acid which is available immediately as a fuel.
- ✓ Equilytes is concentrated and contains the same amount of Potassium as 1L of salt solution

Have convital equilytes been tested?

In order to obtain the clinical data for the use of electrolytes chelated to amino acids a controlled study was made in Colorado under the control of K.A. Larson DVM PhD. This study has shown that 'test horses'

treated with equilytes maintained significantly higher levels of Ca⁺⁺ and Mg⁺⁺ and K⁺ during the race when compared with untreated controls, demonstrating the rapid uptake and bioavailability of electrolytes provided.



Convital Equilytes Contains:

Potassium, magnesium and calcium ions concentrated in an amino acid 'chelate' form to make them highly absorbable and rapidly bioavailable.

Instructions for Proper Use;

Apply paste directly from syringe to back to tongue. For horses undergoing stress, administer one tube per 1,000 pounds (454kg) of bodyweight, or one-half syringe one hour prior to and one-half syringe immediately following event of workout. Water horse after administration.

For more information contact on Convital products, or on our full range of equine products visit Bimeda.com or contact Bimeda on;

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