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VET SUPPORT FOR HORSES

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Recovery

Performance

ELECTROLYTES⁺

Electrolyte replenishment with a plus

- Formulated to match the natural electrolyte composition of horse sweat
- Encourages voluntary drinking
- Compensates for electrolyte losses
- Provides easily absorbable energy to recover after exercise



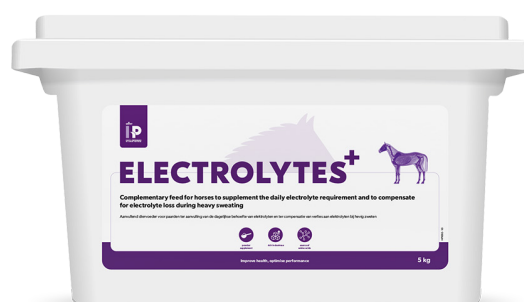
**powder
supplement**



**rich in
dextrose**



**source of
amino acids**



Improve health, optimise performance

ELECTROLYTES⁺

Recovery

Performance

HP Electrolytes⁺ is a complementary feed for horses to supplement the daily electrolyte requirements of horses and to compensate for electrolyte loss during heavy sweating. HP Electrolytes⁺ is specifically formulated to match the natural electrolyte composition of horse sweat, ensuring that the right balance of minerals is restored and is combined with dextrose and amino acids. HP Electrolytes⁺ is available in a 5 kg package, enough for up to 125 days. It is a white powdered supplement that is easy to dose and can be mixed with (wet) feed or dissolved in water.

Indications for the use of HP Electrolytes⁺

HP Electrolytes⁺ is suitable for daily use and offers targeted support during periods of increased sweating, such as intense training, competition*, transport, or exposure to high temperatures. In these situations, horses lose substantial amounts of water and electrolytes. HP Electrolytes⁺ helps maintain hydration, supports performance, and reduces the risk of dehydration-related complications.

Exercise

The amount of water and minerals lost depends on how intense and how long the horse exercises. Under normal weather conditions, light exercise typically leads to a loss of around four litres of water and approximately thirty grams of salt. Sports such as endurance, eventing, and show jumping often lead to high sweat loss, up to 25 litres a day. Without electrolyte supplements, dehydration can occur, it can take several days before the body has fully restored these levels on its own.

Climate

Sweating increases when the horse experiences heat stress, which can be caused by warm weather or demanding physical activity.¹⁻² Humidity also affects how much horses sweat. In hot and humid conditions, the body struggles to cool down because sweat does not evaporate easily. This makes the horse sweat more than it would in hot but dry conditions, increasing the loss of fluids and minerals.¹

Transport

Transporting horses can also lead to sweat loss. Keeping balance in a moving vehicle requires effort similar to moderate exercise. On warm days, horses may sweat more than 15 litres per hour during transport. This can be made worse if the vehicle is not well ventilated or if the horse is wearing a blanket that traps heat. To avoid overheating, transport should allow good airflow, and blankets should only be used when truly needed, such as in cold weather.

Maintenance

For a horse's diet, electrolyte supplementation is often necessary as roughage is commonly low in salt. Electrolyte supplementation is a perfect solution for horses without access to a salt block (for example horses that lick salt blocks excessively or horses that are kept in a pasture).

*This product does not contain ingredients listed in the FEI "Equine Prohibited Substances Database."

Composition and importance of ingredients in HP Electrolytes⁺

HP Electrolytes⁺ is specifically formulated to match the natural electrolyte composition of horse sweat, ensuring that the right balance of minerals is restored. This formula contains a combination of minerals (electrolytes), dextrose and amino acids. Besides offering lost minerals, HP Electrolytes⁺ **encourages voluntary drinking** by stimulating the thirst response, resulting in restoring hydration.

Minerals

Electrolytes are essential minerals that play a key role in maintaining hydration and supporting muscle function in horses. Daily intake of minerals such as sodium, potassium, chloride, phosphorus, calcium and magnesium is necessary to keep the body's fluid balance stable. These electrolytes help retain water within the body's fluid compartments. When only water is consumed without sufficient electrolytes, the fluids in these compartments become diluted, which can trigger the kidneys to excrete both water and electrolytes. This process may worsen dehydration rather than improve it.³

HP Electrolytes⁺ provides a high-quality supplement with highly soluble minerals that are easily absorbed by the horse's body. This is especially important during periods of heavy sweating, when electrolyte losses are significant.

Dextrose

D-glucose, also known as **dextrose**, provides easily absorbable energy to **recover after exercise** and plays an important role in effective rehydration by enhancing the absorption of sodium and water in the small intestine. Once absorbed into the bloodstream, glucose is transported to various tissues, including muscle and liver cells, where it is metabolised to produce ATP. For this reason, HP Electrolytes⁺ includes dextrose in its formulation. Its presence not only improves the uptake of electrolytes but also contributes to energy supply, making the supplement more effective in restoring hydration and supporting recovery after periods of heavy sweating.⁴

Amino acids

Lysine and threonine are essential amino acids that play a critical role in muscle repair and protein synthesis, particularly after physical exercise. During and after intense exercise, the demand for high-quality protein increases to support muscle recovery. HP Electrolytes⁺ includes lysine and threonine to enhance post-exercise recovery and helps ensure that horses not only rehydrate effectively but also rebuild and maintain muscle, which is essential for performance.

How to use HP Electrolytes⁺

HP Electrolytes⁺ can be given daily or during periods of heavy sweating. Preferably administer 1 or 2 hours before sweating/exercise or after exercise, mixed with moist and/or high energy feed. It can also be dissolved in (a bucket of) water.

Always provide sufficient fresh drinking water. Do not exceed the recommended daily dosage. If the horse refuses the electrolytes or shows signs of excessive urination, reduce the dosage until the desired effect is achieved.

Daily electrolyte requirements		ELECTROLYTES ⁺	Divided over
Maintenance	Ponies	10 g	1 feeding
	Horses	20 g	1 feeding
Light to moderate exercise	Ponies	20 g	1 feeding
	Horses	40 g	1 feeding
Intensive exercise/competitions	Ponies	40 g	2 feedings
	Horses	80 g	2 - 3 feedings
As a single replenishment of electrolytes			
1 - 3 days after heavy sweating or periods of extreme heat	Ponies	40 g	2 feedings
	Horses	80 g	2 - 3 feedings

Product information

Composition: sodium chloride, dextrose, potassium chloride, magnesium salts of organic acids, sodium tripolyphosphate.

Analytical constituents:

Crude protein:	21,49%	Calcium:	1,35%
Crude fat:	0%	Phosphorus:	0,15%
Crude fibre:	0%	Potassium:	7,20%
Crude ash:	0%	Magnesium:	0,6%
Sodium:	13,95%		

Additives / kg

Nutritional additives: Amino acids: L-lysine monohydrochloride, technically pure (3c322): 151.468 mg, L-threonine (3c410): 75.000 mg/kg

Technological additives: Preservatives: Calcium lactate (1a327): 84.375 mg, Lactic acid (1a270): 51.469 mg

Product specifications

Brand:	Health & Performance
Target species:	Equine
Feeding instructions:	Mix with moist feed, a small amount of energy-rich feed or dissolve in (a bucket of) water. Store in a cool and dry place. Keep out of reach of children.
Storage conditions:	24 months after production
Shelf life:	5 kg
Package:	HP1002
Article code:	

References

¹ McCutcheon LJ, Geor RJ, Hare MJ, Ecker GL, Lindinger M. Sweating rate and sweat composition during exercise and recovery in ambient heat and humidity. *Equine Vet J.* 1995;27(2):153-157.

² McCutcheon LJ, Geor RJ. Influence of training on sweating responses during submaximal exercise in horses. *J Appl Physiol.* 2000;89(6):2463-2471.

³ Maughan RJ, Owen JH, Shirreffs SM, Leiper JB. Post-exercise rehydration in man: Effects of electrolyte addition to ingested fluids. *Eur J Appl Physiol Occup Physiol.* 1994;69(3):209-215.

⁴ Shi X, Summers RW, Schedl HP, Chang RT, Lambert GP, Gisolfi CV. Effects of solution osmolality on absorption of select fluid replacement solutions in human duodenojejunalum. *J Appl Physiol.* 1994;77(3):1178-1184.

More information:

www.hpvetsupport.com