

Crosulin



STABILISATION OF GLUCOSE LEVEL

SPECIFIC COMBINATION OF NUTRIENTS TO REGULATE
FAT AND CARBOHYDRATE METABOLISM



At risk of EMS
and laminitis

Herbal extracts support
blood circulation

Rich in antioxidants,
trace elements and
natural sources of
chromium



For more information: www.derbymed.eu



Product information

Crosulin supports the harmonisation of the glucose level and consequently it reduces the risk of metabolic disorders like EMS or laminitis.

Obesity may negatively affect the metabolism of fat and carbohydrates and is a major reason for the development of equine metabolic syndrome (EMS). Alongside a weightloss diet and training program, the supply of high-value nutrients is necessary to counteract the metabolic disorder and its effects on the horse's health.

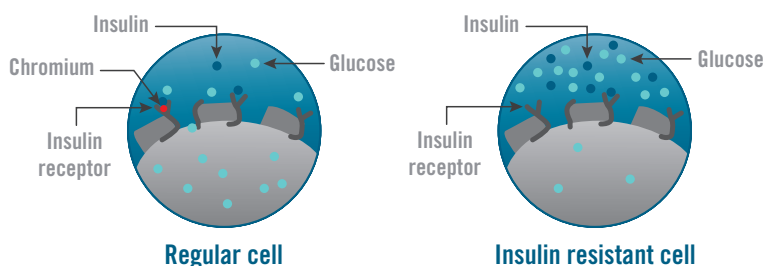
Crosulin contains a naturally high concentration of chromium, L-carnitine (to support energy production), antioxidants and herbal extracts (to help increase blood circulation).

Components like Shepherd's Purse, Yeast, Fenugreek and Spirulina with a high concentration of chromium improve the acceptance of glucose into the cell, helping to increase the efficacy of insulin.

Why is Chromium so important?

Chromium's best known function is to enhance the activity of insulin receptors and as such supports the effects of insulin and the acceptance of glucose into cells and therefore as a supply of energy.^{1, 2, 3}

Glucose uptake



Chromium enables the connection of insulin with the receptors to transport glucose into the cell.

Several studies from human medicine have shown that a supplementation with Chromium for overweight diabetics increases the sensitivity of insulin and regulates the glucose level. This has been shown to have a positive effect in decreasing excessive appetite.

Spirulina and L-carnitine as well as essential amino acids support muscle metabolism and growth.

Feeding Recommendation

Body Weight	Amount
200 kg	10 g / day
400 kg	20 g / day
600 kg	30 g / day

Composition:

Green Flour, Barley, Oat Bran bran, Wheat Bran, Yeast, Shepherd's Purse (*Capsella bursa pastoris*), Spirulina, Extruded Linseed, Calcium Carbonate, Sodium Chloride.

Analytical Constituents:

Crude Protein 18.98 %, Crude Fat 3.60 %, Crude Fibre 9.63 %, Crude Ash 11.24 %.

Additives per kg:

Nutritional Additives:

L-Carnitine (3a910) 25,000 mg, Vitamin E (3a700) 3,500 mg, Vitamin B1 (3a821) 350 mg, Vitamin B2 (Riboflavin E101) 650 mg, Vitamin B6 (3a831) 350 mg, Vitamin B12 50 mcg.

Sensory Additives:

Hawthorn Tincture 20,000 mg, Ginkgo Extract 24,000 mg, Fenugreek Extract 10,000 mg.

Trace Elements:

Biotin (3a880) 8,000 mcg, Manganese (Manganese Chelate of Glycerol Hydrate E5) 970 mg, Selenium (Sodiumselenite E8) 10 mg, Zinc (Zincoxide 3b603) 5,000 mg.



Presentation: 1000 g pellets

¹ Study: Dissertation „Effekte einer Chromhefezulage auf die glycämischen und insulinämischen Reaktionen bei insulinresistenten Ponies und Pferden.“ von Barbara Obwald (2010)

² Frank N, Geor RJ, Baily SR, Durham AE, Johanson PJ. Equine metabolic syndrome. *J Vet Intern Med.* 2010; 24:467-475.

³ Powell DM, Reedy SE, Session DR et al. Effect of shortterm exercise training on insulin sensitivity in obese and lean mares. *Equine Vet J Suppl.* 2002;34:81-84.

Further study concerning positive effect of chrome onto sensitivity of insulin: Vervuert I, Cuddeford D, Coenen M. Effects of chromium supplementation on selected metabolic responses in resting and exercising horses. *Equine Comp. Exerc. Physiol.* 2006;3:19-27.

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