

GASTRI'MAX



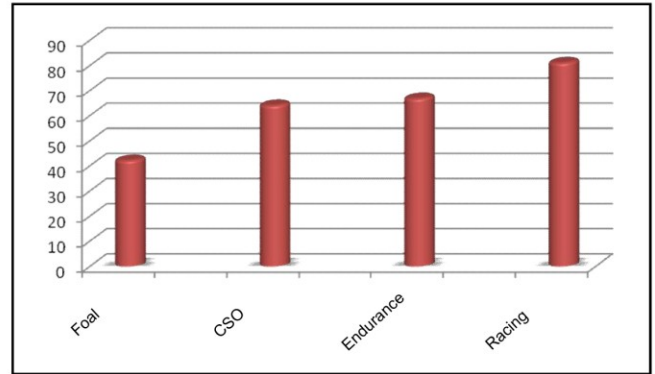
ALLIANCE EQUINE

Performing gastric solution

In racing and sport horses, gastric ulcers are the leading cause of under-performance of digestive origin. At livestock, this affection can be a negative sign of development and especially in foal.

Outside clinic signs indicator of potentiel gastric infection.

- Decreased appetite
- Difficulty to finish its ration
- Lack of dynamism
- Behaviour changed
- Performance decreased
- Poor genral state
- Slimming
- Colic of low intensity postprandial



Gastric ulcer depending on activity performed [2]

2 Tamzali Y., Gastric ulcers « EGUS », DMV, PhD, Dipl.ECEIM, Internal Equine Medicine, Equine Clinical, National Veterinary School of Toulouse.

Some horses do not show outside signs. An examination by gastroscopy is essential to confirm gastric ulcers.

A solution by plants

Filipendula ulmaria/ Meadowsweet



Principal asset : Salicylic acid

Mode of Action

- Antibacterial
- Antiseptic
- Réduces ulceration

Results have shown that meadowsweet reduces ulceration in stomach and especially on glandular parts. (6)

6 Barnaulov, OD et Denisenko, PP [de l'action anti-ulcère d'une décoction de fleurs de la dropwort, Filipendula ulmaria (L.) Maxim] *Farmakol Toksikol* 1980, 43 (6): 700-705 2450008



Thymus vulgaris / Thyme



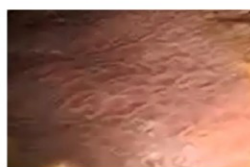
Principal asset : Thymol

Mode of Action

- Boost digestive system
- Antispasmodic action

Research are proved an antispasmodic effect on smooth muscle. Facts show that, in various effect of antispasmodic activity, the thymol is active. (8)

8 Meister A, Bernhardt G, Christoffel V, Buschauer A. Antispasmodic activity of Thymus vulgaris extract on the isolated guinea-pig trachea: discrimination between drug and ethanol effects. *Planta Med.* 1999 Aug;65(6):512-6.



Inula Helenium / Elecampane



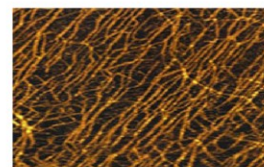
Principal asset : Inulin

Mode of Action

- Digestive comfort
- Gastric protection

Alimentary use of insulin and oligo-fructose give a possibility to restore microbial communities by supporting a barrier function of epithelium. This usage allows prebiotic action in preventing of gastrointestinal illness. (9)

9 D. Bosscher, J. Van Loo et A. Franck. « Inulin and oligofructose as prebiotics in the prevention of intestinal infections and diseases » [archive] *Nutrition Research Reviews* (2006), 19, 216-226



The supplement Gastri'Max ability to improve gastric disease

Summary

A study on 4 racing and sports horses allowed to prove that the Gastri'Max supplement reduced gastric disorders in horse.

Properties of plants complex allow to lower inflammation of mucous.

Protective effect on stomach walls by a yellowish fibrin, permit to decrease the attack du to acidity.

Lesion notation according to a score from 1 to 5 allows highlight Gastri'Max efficiency.



Image 1 Demonstrates presence of ulcers of score 4 with bleeding.

Image 2 After 40 days of supplement with Gastri'Max, mucous of stomach wall are covered with yellowish fibrin. This one intervenes to protect mucous of the acidity.

Image 3 After 90 days of supplement, ulcer is in the process of healing. The fibrin is less important.

Composition

Water, dextrose and salt

Analytical components

Moisture	97.6%
Crude fat	<1%
Crude protein	<1%
Crude ashe	<1%
Crude cellulose	<1%
Sodium	<1%

Vitamins

3a372a Vitamins A	800 000 UI/Kg
E671-Vitamins D3	160 000 UI/Kg
3a700 Vitamin E	160 mg/Kg

Flavouring compounds

Meadowsweet, Thyme, Elecampane 4.84%

Gelling

Xanthan gum

Daily administration

Adult horse

50 ml / day, minimum 20 days

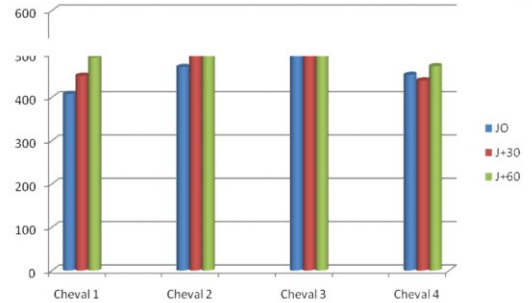
Foal

30 ml/ day, minimum 20 days

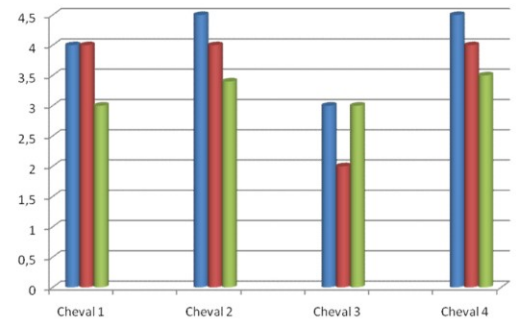
No contraindication to the competition



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Overview table of weigh during the resarch



Score of Ulcers

Results :

- Improvement of appetit
- Enhancement of general state
- Amelioration of weight proved
- Improvement of stomach wall

Conclusion :

The in vivo study on Gastri'Max supplement allows to prove an enhancement of general state of horse.

The supplementation of Gastri'Max shows the efficiency to protect mucous for a good healing