

MENBUTIOX

IMPROVE DIGESTIVE PROCESSES

Formula:

Each 100 ml contains:

Menbutone.....	10,00 g
Thioctic Acid	0,50 g
Lidocaine hydrochloride.....	0,40 g
Formulation agents.....	q.s.

Indications:

To normalize gastric, duodenal and bile functions.
To stimulate digestive secretion in case of indigestion, toxemia, ketosis, anorexia, pancreatic/hepatic insufficiency.
Lidocaine hydrochloride avoids pain at injection site.

Animal species to which it is intended:

Cattle, sheep, goats, swine, horses and dogs.

Administration and dose:

1ml per 10 kg live-weight.

Recommended doses:

Adult cattle.....	20- 40 mL
Sheep and goats	5- 10 mL
Swine	10 mL
Horses	20- 30 mL
Dogs	1mL / 10 k.l.w.

Repeat every 12 to 24 hours.

Three applications are recommended -as minimum.

It is administered by deep intramuscular or slow intravenous injection. In horses, only by slow intravenous injection.

Presentation:

Flasks containing 50 or 100 ml.



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over
VETERINARY MEDICINE

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MENBUTIOX is an innovative combination of **Menbutone** and **Thioctic Acid**, two field-proven active ingredients in the treatment of digestive dysfunctions and disorders.

MENBUTONE

Menbutone, or genabilic acid, is a derivative of propionic acid which acts on the gastrointestinal tract, more specifically on liver, pancreas and stomach. It acts on exocrine glands of digestive tract increasing biliary, pancreatic and gastric secretions. It has a strong digestonic function by the stimulation of digestive glands.



THIOCTIC ACID

It is also known as Lipoic acid. It is a natural substance that contains two sulfur molecules that may be oxidized and reduced.

In this way, it performs the following functions:

- . Be a cofactor of a big quantity of enzymes.
- . Be a potent anti-oxidant.

0 DAYS OF RESTRICTIONS FOR MILK OR MEAT



WHEN TO USE MENBUTIOX ?

Indigestions, toxaemia, ketosis, pancreatic and liver insufficiency, constipation, diarrhea, abomasitis, tympanites, parasitosis, stress in artificial breeding, loss of appetite, colics and food changes, fatty liver, anorexia and convalescences.

ACTION

STOMACH

Increase 5 times the secretion of pepsin and stimulate the production of gastric juice.

LIVER

Double biliary secretion.

PANCREAS

Increase 5 times the secretion of trypsin.

GALL BLADDER

Increase bile flow.



PROPERTIES OF THIOCTIC ACID

1

Thioctic acid acts as cofactor for several multi-enzyme complexes that catalyze critical reactions to get cellular energy.

2

Thioctic acid is a reducing agent which helps to regenerate an important number of antioxidants. Particularly, it may reduce oxidized forms of vitamins C & E, CoQ10, and glutathione.

3

In the liver, thioctic acid is part of numerous metabolic reactions that increases glutathione levels. This is probably the mechanism of detoxifying effects. In case of liver intoxication, the thioctic acid does not directly neutralize the toxin but keep hepatic function reestablishing normal GPT levels.

4

Chelating agent of Metal Ion. Thioctic acid may chelate free ions of iron and copper preventing oxidative damages in the tissues. It facilitates biliary excretion of metals when hepatobiliar transport is glutathione dependant.

THIOCTIC ACID