Complementary food for dogs and cats
Support to drug and dietary therapy in cases of renal insufficiency
Complementary food for dogs and cats

Support to drug and dietary therapy in cases of renal insufficiency

- 32 palatable tablets
- Paste 1 syringe of 15 ml
Their main function is to filter the blood and remove toxins and waste products. The filtration takes place in the nephrons.

Only a certain percentage of nephrons are in use in healthy individuals. The rest are in reserve. When the reserve is also depleted renal insufficiency is present.
Renal insufficiency can have an acute onset. The prognosis is favourable providing that the renal tissues has not been damaged, and that the underlying causes are diagnosed and treated promptly.

Chronic renal insufficiency can often be kept under control and allow for a remarkable life expectancy once the causes have been identified.
Possible causes of chronic renal insufficiency

- Immune-mediated diseases
- Metabolic disorders, such as diabetes mellitus
- Cancer: both primary and metastatic
- Amyloidosis
- Inflammation: pyelonephritis, Leptospirosis
- Polycystic kidney disease
- Kidney stones
- Renal Ischemia
- Idiopathic causes

Renal insufficiency
How to recognize it

The clinical signs to recognize chronic renal insufficiency

- Polyuria
- Dehydration
- Polydipsia
- Progressive anorexia
- Weight loss
- Hyperparathyroidism
- Vomiting, sometimes with blood
- Diarrhoea, sometimes with blood
- Ulners in the mouth and along the intestine
- Uremic breath
- Non-regenerative anaemia
The therapy, taking causes and pathology into account, consists primarily of:
- fluid therapy (intravenously);
- drug therapy (decided by the Veterinary Surgeon according to renal pathology);
- administration of a diet that reduces nitrogen and phosphorus

**DiReNe** is a complementary food with natural ingredients, specially designed to support kidney function.

The active ingredients are:

**Ganoderma Lucidum** (*Reishi*), a well-known fungus which supports processes that reduce inflammation at renal level.

**Astragalus** (*Astragalus membranaceus*) is a herbaceous plant of the legume family native to China, Tibet and Mongolia. It has long been recognized in traditional Chinese medicine for its ability to assist in the excretion of sodium.
**Turmeric**, a herbal plant which contains curcumin. Curcumin modulates different signal molecules and has an antioxidant effect.

**Chitosan**, which absorbs phosphorus.

**Quercetin**, a bioflavonoid that has protective properties against free radicals which can cause oxidative stress.

**Yucca**, which reduces nitrogen at gut level.
Cranberry (American Cranberry), whose fruits have beneficial activities mainly at the level of the lower urinary tract. Its actions include prevention of the adherence of Gram-negative bacteria (*Escherichia coli, Proteus, Klebsiella, Enterobacter, Pseudomonas*) to the mucous membranes of the urinary tract, and a decrease in the amount of uric acid that can lead to the formation of urate stones.

Birch, a purifying plant which improves a correct drainage of liquids.
DiReNe® 32 tablets
Dosage
DOG: 1 tablet per 10 kg of bodyweight, once a day for at least 4 months, as a support during chronic renal insufficiency and renal diseases.
CAT: ½ tablet per 5 kg of bodyweight, once a day for at least 4 months, as a support during chronic renal insufficiency and renal diseases.

DiReNe® Paste
Dosage
DOG and CAT: one notch of the syringe, 1 ml, per 5 kg bodyweight, once a day, for at least 4 months as a support during chronic renal insufficiency and renal diseases.

It is recommended to offer water ad libitum. It is important to always seek veterinary advice regarding dosage and prior to extending the length of supplementation.

N.B. Dogs or cats that are concurrently on ACE inhibitor and/or furosemide therapy, may need adjustment of the dosage.