

# biopect®

DIETETIC COMPLEMENTARY FEED IN CASE OF DIGESTIVE DISTURBANCES (DIARRHOEA)

**THE WAY TO A  
HEALTHY DIGESTION**



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DIETETIC COMPLEMENTARY FEED IN CASE OF DIGESTIVE DISTURBANCES (DIARRHOEA)

## Biopect

Biopect is a dietetic complementary feed for the stabilization of the fluid and electrolyte balance in calves suffering from digestive disturbances (diarrhoea).

Biopect can be fed in milk.

Biopect consists of specially treated plant fibres, easily digestible energy and has a high content of electrolytes.

Biopect is a finely granulated, agglomerated and homogenous, dust-free product with a high solubility and without risk of segregation.

## Application

Biopect is used during periods of digestive disturbances, regardless of whether they are caused by bacteria, viruses or feed related.

Biopect can also be used preventively if there is a risk of digestive disturbances, e.g. due to change of diet, relocation and newly purchased animals, or other stressful situations.

Furthermore, Biopect can be used as a supplement to antibiotic treatment where it reduces the harmful effect of the antibiotic on the intestinal microbiota and supports a rapid restoration of the natural intestinal microbiota.

Calves with severe digestive disturbances can easily lose 6-8 litres of fluid in a day. It causes dehydration and loss of electrolytes and energy.

## Administration

In case of digestive disturbances (diarrhoea).

### Dose:

50 g of Biopect, mixed into 2 l warm milk/milk replacer (approx. 40 °C).

### Mild cases:

Twice daily, for 3-5 days.

### Severe cases:

During the first 24 hours, the dose can be given up to 4 times, dependent on the degree of the digestive disturbances. The following days: as in mild cases.

### Preventively:

Half dose (25 g in 2 l of milk) for 3 days.

### Water:

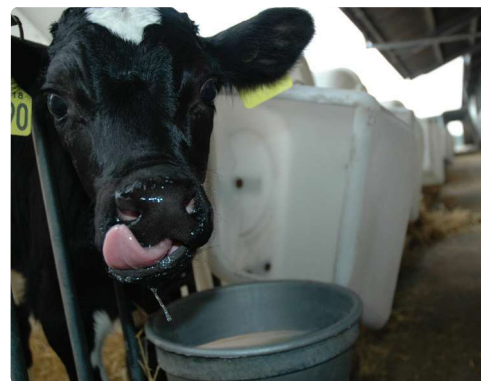
In water the dose is doubled: 100 g in 2 l approx. 40 °C warm water at the first two administrations. Hereafter, it is dosed in milk/milk replacer as in mild cases.

### Measuring cup for 50 g included.

The stated doses apply to a calf of approx. 50 kg.

## Biopect

- Effective in case of digestive disturbances
- Can be used preventively
- Added plant fibres stabilize digestion
- A high content of electrolytes
- Supplies easily digestible energy
- Restores the intestinal microbiota
- Can be used in milk



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## This is how Biopect works

The plant fibres in Biopect have different properties and effects.

Some fibres together with the liquid form a protective layer that will settle on the damaged intestinal villi.

Other fibres bind fluid, harmful bacteria and toxins that are excreted with the manure. Finally, some fibres stimulate the formation of beneficial bacteria and support a good digestion.

An optimal electrolyte composition with a high SID-value ensures a fast restoration of the electrolyte and fluid balance and a normal intestinal function.

Dextrose supplies the calf with easily digestible energy and stimulates the absorption of electrolytes in the intestine.

Alkaline buffers stabilize the acid-base balance of the blood and promote the uptake of water and sodium.

The composition of Biopect optimizes and strengthens the intestinal bacteria flora and ensures that the calf recovers quickly after a period of gastrointestinal problems.



## Preventive use of Biopect

In situations where the calf is exposed to changes or stress, digestive challenges are often seen. It would be beneficial to use Biopect in these situations.

### Change of feed

For example the transition from milk feeding to feeding calf mix or the change to another calf mix.

### Heat stress

During warm periods where the calf is extra exposed to dehydration and loss of electrolytes.

### Cold and humid periods

In cold and humid weather where the calf is especially susceptible to digestive problems.

### Relocation of animals

Calves that are moved together in new groups, for example from single boxes to group boxes or are moved to dairy calf beef herds.



## Composition

Fruit pulp dried, dextrose, sodium chloride, sodium acetate, psyllium husks, maltodextrin, sodium bicarbonate, potato starch, chicory roots powder, carob power, potassium chloride, magnesium oxide.

### Additives

E281 – Sodium propionate

Analytical constituents	%
Crude protein	3.5
Crude fat	1.0
Crude fiber	8.0
Crude ash	18.0
Sodium	5.9
Potassium	1.6
Chloride	5.3

SID, mmol/l	74
Osmolality, mOsm/L Dissolved in water.	377
Osmolalitet, mOsm/l Dissolved in milk.	471

## Avoid digestive disturbances

- Fewer diseases
- Lower mortality
- Higher growth
- Higher performance in first lactation
- More time for care
- Lower medicine costs
- Higher job satisfaction

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## Administration

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The stated doses apply to a calf of approx. 50 kg.



### MILD CASES

Twice daily, for 3-5 days.



### SEVERE CASES

During the first 24 hours, the dose can be given up to 4 times, dependent on the degree of the digestive disturbances. The following days: as in mild cases.



### PREVENTIVELY

Half dose (25 g in 2 l of milk) for 3 days.

## Biopect in milk

Biopect is specially formulated so that the milk feeding, and thus the supply of nutrients, can be continued during a period of digestive problems.

- Weight loss is reduced
- The immune system is strengthened
- Mortality is reduced

## The 6 golden rules

1. A calf needs 4 litres of good quality colostrum as soon as possible after birth.
2. It is important that the calf gets plenty to drink.
3. The milk must have the correct temperature.
4. High hygiene when administering.
5. The calf should not be exposed to draught or a humid environment.
6. Stress can cause gastrointestinal disturbances.