



# Ca3 BioFresh®

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## THE NON-CAUSTIC CALCIUM BOLUS

Milk fever is a metabolic disease caused by a low calcium blood level. A short time after calving the metabolism must mobilize a lot of calcium from the bones. This “mobilization start” takes around 48 hours. In the meantime, there is a gap of calcium in the blood. This gap influences muscles and nerves in a negative way. Milk fever arises.

Cows with optimum calcium supply have a better start to lactation, are healthier and produce more milk. Ca3 BioFresh® offers:

- very high levels of fast and slow availability calcium (45.5 g) and vitamin D3 (50,000 I.E.) per bolus!
- calcium sources with varying release rates supply the cow evenly with calcium
- very well tolerated by membranes – no irritation of the mouth, esophagus and rumen
- no caustic calcium chloride
- easy application and economical – one bolus per dose is enough!

## RESEARCH

Institute for Clinical and Laboratory Diagnostics of the Department of Pathology and Veterinary Diagnostics at the Natural Sciences. University of Warsaw (SGGW)

- Already 5 hours after the application of 2 boli the calcium content in the blood increased.
- After the application of the 3rd bolus, the calcium content (ionized) increased by almost 30% compared to the initial situation.
- The vitamin D3 concentration increased by 24% compared to the baseline.
- The application of the calcium bolus showed a significant improvement in fertility indices and milk data.
- The intermediate calving period was shortened from 402 days to 388 days.
- After administration of the calcium bolus, the cows returned to heat more quickly.
- The pregnancy rate after first insemination increased by an average of 6.5%.
- The number of somatic cells decreased on average by 16.7%

## USE DIRECTIONS

Administer one bolus with the applicator as per the instructions when calving. If required, administer a second bolus approx. 12 hours after birth.

## PACKAGING

(11040) 48 boluses per box, 2 boxes per case

## STABILITY

Stable for two years. Store in cool, dry place.

## INGREDIENTS

tricalcium phosphate, calcium sulfate, glucose syrup, magnesium, stearate, calcium acetate.

## GUARANTEED ANALYSIS

Calcium (min).....45.5 grams per bolus  
Vitamin D3.....50,000 I.U. per bolus



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