



FrieslandCampina 

Ingredients

Lactolat  
supports during lactation

  
Nutrifeed

everything to  
help  
you grow

# Lactolat gives direct energy for an optimal lactation period

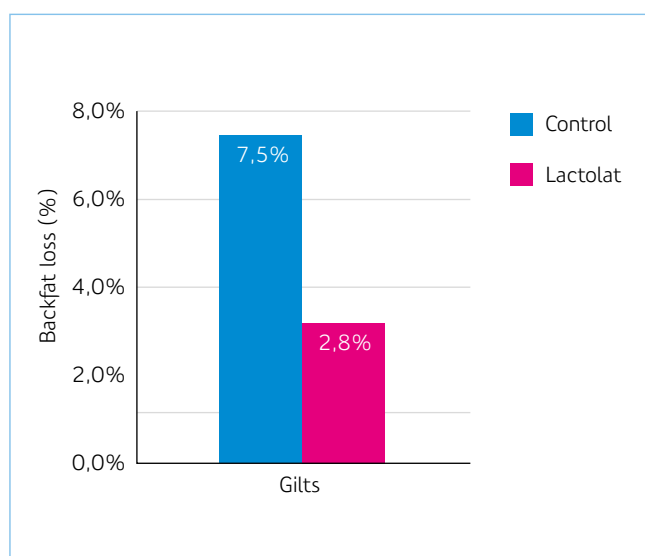
During farrowing and subsequent lactation, sows experience stress, but at the same time, sows have to perform on a high production level. Under conditions of high stress, fat digestion is a critical factor. Not occasionally, sows leave the farrowing stable in poor condition and, as litter sizes are increasing, the composition of sow milk becomes more important for the energy supply of the individual piglet. Enough reasons to support sows during lactation with highly digestible energy, especially under circumstances where feed intake of lactating sows is already challenging.

Lactolat is a premium micro encapsulated fat-filled whey concentrate that supports the sow during the energy demanding lactation period and indirectly benefits the piglets thanks to higher nutritious sow milk. Trials performed in cooperation with the Chulalongkorn University of Bangkok have shown the positive effects of Lactolat in the lactation diet.

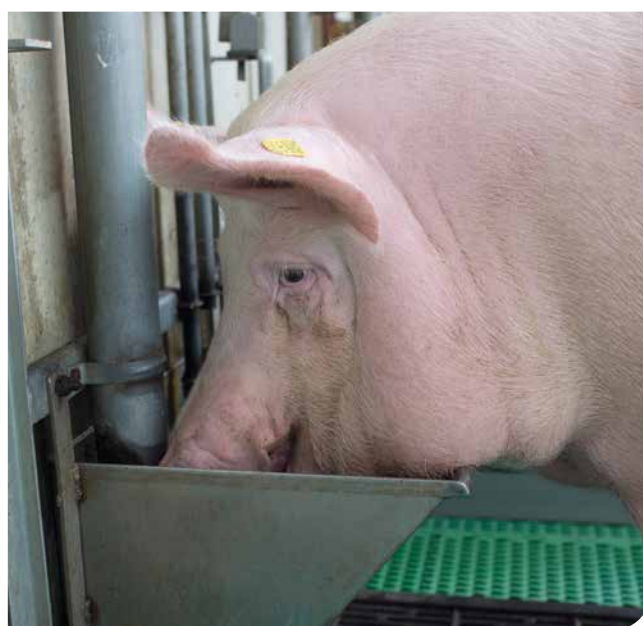
Lactolat is added to the lactation diet at an inclusion rate of 5%, starting 5 days before the expected farrowing date till the moment of weaning, and replaces partly the mechanical fat ingredient. Lactolat offers the sow extra energy, preventing excessive backfat loss during lactation. Furthermore, Lactolat contains highly digestible spray dried fat, which leads to higher milk fat levels and a more nutritious milk.

## Lactolat, the direct effect on sows

Research at Chulalongkorn University of Bangkok has shown that Lactolat has a positive influence on sow condition, especially gilts and thin sows loose less weight during lactation. The latter, has a positive effect on the reproductive performance during the following insemination. This is particularly important for gilts that are often facing problems with reproduction during the subsequent estrus, the so called second litter syndrome. Additionally, Lactolat increases the fat content of the milk and, as a consequence, piglets ingest more energy during the lactation period.



**Figure 1:** Backfat loss of gilts during lactation in both control and Lactolat group (n=30).



### Lactolat, the indirect effect on piglets

Piglets are born with very low energy reserves. With sufficient milk intake and the right milk composition, piglets have sufficient energy for growth and development. Vital piglets can drink more colostrum and have the best start right after birth. Next to sufficient colostrum supply, milk composition and milk supply are important factors that influence piglet mortality rates as well in the pre- as post-weaning period.

Lactolat supports the sow with good digestible energy. This keeps sows in a good condition during lactation and improves the milk composition. Consequently, Lactolat has an indirect positive effect on piglet's health and performance.

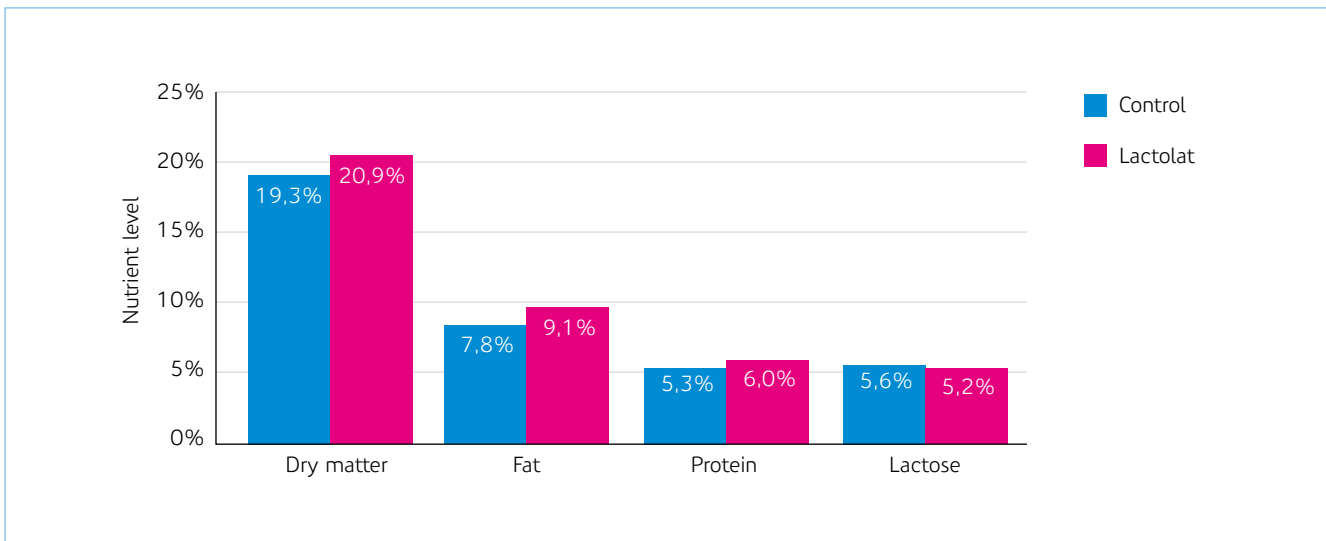


Figure 2: Milk composition of sows during first week of lactation in control and Lactolat sows.



The Piglet & Sow Performance Programme is an integrated feeding programme and consists of 3 complementary dairy based products to support the sow and give the piglets a head start: **Lactolat, Porcolac Extra and Serolat fat-filled.**



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The details given here are merely intended for information purposes and are in no way legally binding. Consequently we accept no responsibility in the broadest sense of the word for damage that may result from applications based upon this information. Furthermore, this information does not constitute permission to infringe patent and licence rights.

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