

Denkamilk



G R O W I N G T O G E T H E R



Milk replacers for healthy rearing and fattening



Denkavit is the specialist in feeds for young animals. Thanks to our extensive research, the Denkamilk products meet the highest quality requirements. The Denkavit laboratory and research farms play a key role in the continuous improvement of existing products and the development of new ones. As a result of many years of world-wide exports we have acquired a vast knowledge when it comes to rearing and fattening lambs and kids under various climatic conditions. You can rely on Denkavit as your number one supplier of top quality milk replacers for healthy lambs and kids.

Special features of Denkavit milk replacers include:

- carefully selected high quality raw materials
- excellent solubility
- attractive taste resulting in eager consumption
- high degree of safety
- excellent digestibility
- suitability for virtually all feeding systems

Milk replacers versus natural milk

The newborn lamb or kid is totally dependent on milk, since the digestive system is not yet sufficiently developed to digest concentrates and roughages. Therefore often the choice has to be made between a high quality milk replacer and milk of the ewe or goat. However, in practice digestive upsets are often experienced, especially in intensive rearing-units. Compared to natural milk, not only a sufficiently high fat and protein content is important, but also the quality and composition of these nutrients. During lengthy trials in our research farm Denkavit developed special milk replacers for lambs and kids based on non curdling dairy products. The products are highly digestible and their composition provides the correct levels of energy and protein and of all necessary micro-ingredients. Thanks to this, optimal growth rates can be achieved with minimal risk of digestive problems or deficiency symptoms.

Milk replacers for rearing and for fattening

The merits of milk replacers for lambs and kids are evident, especially when applied in the following cases:

- If the milk production of the ewe or goat is insufficient to ensure proper individual growth in cases of twins and triplets.
- For rearing or fattening of lambs and kids repudiated by the ewe or goat.

- For saving lambs and kids from sheep or goats which died during or right after lambing.
- As a standard rearing or fattening method for lambs and kids in countries where milk is used for cheese production, or where lambs' and kids' meat is produced.
- For a disease-free (CAE, CL) rearing.

Depending on the aim for which lambs or kids are raised, Denkavit provides different formulations of milk replacers both for rearing and fattening, each designed for specific feeding systems, varying from individual feeding to lamb bar or automatic feeder.

For rearing purposes in limited feeding systems the composition is optimised to support an early intake of concentrates and roughage, to stimulate rumen development and eventually promote post weaning growth. For fattening purposes in ad lib feeding systems Denkamilk products combine highly digestible energy and protein sources with maximum safety and stability.

Denkamilk offers more safety

Bearing in mind the susceptibility of lambs and kids, Denkavit pays a lot of attention to the development of products without using skimmed milk powder. Although skimmed milk powder is considered to be an excellent raw material, it often leads to digestive disorders in young ruminants. In many cases casein does not properly coagulate in the abomasum. Since no coagulation process is involved in Denkamilk products, there is less risk of digestive disorders.

An extensive study amongst calves and lambs showed that in the first two weeks of life diarrhoea occurred significantly less frequently and was less serious amongst animals fed with whey based products



than amongst those fed with a milk replacer containing skimmed milk powder.

Lamb or kid rearing: high intake of concentrates and roughage

An early intake of concentrates and roughage is essential for an optimal development of the rumen, in particular the development of the rumen papillae and the thickness of the rumen wall. The intake is influenced by the quality of the concentrates and roughage, the composition of the milk and the feeding schedule applied. Next to paying the utmost attention to the composition of the milk, Denkavit has developed a well-balanced feeding schedule, reducing the quantity of milk fed once the intake of concentrates and roughage is high enough.

Acidified milk replacer: prevention of upsets

Contrary to milk replacers based on skimmed milk powder the Denkamilk products have been acidified, using natural acids, which do not affect the taste of the milk itself. Acidified milk replacers have shown a positive effect on digestion and have proved to be beneficial on hygiene, thus reducing the risk of digestive disturbances.

Prebiotics: an additional safety factor

All Denkavit milk replacers for lambs and kids contain a prebiotic. Prebiotics pass through the digestive system virtually untouched and then form an excellent substrate in the intestines for healthy bacteria, such as bifido and lactic acid bacteria. Thanks to the stable intestinal flora, the growth of pathogenic bacteria is inhibited. The risk of diarrhoea is therefore significantly reduced through the use of prebiotics.

Fatty acids and essential oils: optimal condition

Our careful selection of refined vegetable oils ensures the precise balance of fatty acids, resulting in excellent growth and skin condition. Special care is taken in providing an optimal ratio between Omega-6 and Omega-3 fatty acids. The percentage of medium chain fatty acids is accurately defined. Added essential oils positively influence the quality of microvilli in the gut. Digestive enzymes are activated and development of pathogenic bacteria is inhibited.

Excellent taste: eager consumption

In the development of new formulations, Denkavit specifically focuses on palatability. A special panel of laboratory staff assesses raw materials in terms of their taste. Palatability trials are also performed at the Denkavit research farms. This ensures an eager consumption of Denkamilk by the choosy lamb and goat kid.

Optimal digestibility: fast growth

Since Denkavit selects only easily digestible sources of energy and protein, a smooth

transition from colostrum to Denkamilk is facilitated. This stimulates a fast initial and subsequent growth. As an energy source Denkavit incorporates well-balanced mixtures of vegetable oils. The very small particle size of the oils and the emulsifiers contribute to an excellent digestibility.

Perfect mixing properties: easy to use

Denkavit milk replacers dissolve easily, thus reducing the risk of errors while preparing the milk. The solubility is highly determined by the choice of raw materials and the method of production. The anti dust factor ensures easy handling of the Denkamilk products.

Thoroughly packed and safely delivered

For export destinations Denkavit uses high-quality bags, specially chosen not only to protect the product, but also to ensure that the milk replacers arrive in perfect condition. For the same reason all trucks and containers are thoroughly inspected before loading.

For more information contact your local supplier or www.denkavit.com



Denkamilk: your obvious choice

For rearing young ruminants, Denkavit has compiled a range of milk replacers which are distinctly easy to use, present a high degree of safety and ensure excellent growth results. The Denkamilk range includes products for:

- rearing of lambs and kids
- fattening of lambs and kids
- calves for dairy herd replacement
- calves for beef production

Denkamilk for lambs and kids: Caprimel, Ovimel, Capri-Ovi, Ovitop
Denkamilk for calves: Extra, Top S, Superstart, Excellent



The Denkavit Group: quality is the key word

The Denkavit Group originates from a trading company established in 1929, dealing in ingredients for the compound feed industry. Over the years, our company has acquired a wealth of knowledge on feed formulations for young animals. Today, Denkavit offers an extensive range of products, in which high quality special feeds for young animals play a leading role. The Denkavit Group has developed into an internationally active organisation, employing some 400 staff at branches both in the Netherlands and abroad. From the parent company in Voorthuizen, Denkavit milk replacers and piglet feeds are exported to over 40 countries all over the world. Denkavit products are also manufactured under licence.

At Denkavit, quality is the key word. As a modern company we do not only confine this to the quality of our products, but also in building a sound relationship with our partners by offering professional service and advice with the main objective: Growing together.



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