



Specially developed for pigs

> Dosage

Gestating sows	1kg/Mton of feed
Lactating sows	1kg/Mton of feed
Piglets	1kg/Mton of feed
Fattening pigs	1kg/Mton of feed

> Storage

Store cool and dry.

In case of severe problems it is advised to add C-Vita to the sow feed as well as to the piglet feed.

When problems are solved, it is advised to keep C-Vita in the sow feed to lower the infection pressure.

Benefits of C-vita

- > Lower mortality.
- > Improved resistance against meningitis and arthritis.
- > Lower antibiotic use.

Claims associated with products may be different based on government requirements. Certain statements may also not be applicable in all regions.

More information

Go to www.agrifirm.com, call to T + 32 (0)9 280 29 00 or contact your advisor.

C-Vita

Sector Pigs / support against streptococcus





C-Vita

Streptococcus suis is a widespread pathogen in pig populations. Symptoms vary from severe clinical symptoms such as meningitis and arthritis to subclinical growth retardation. In combination with high medication levels, high economical losses are associated.

Streptococcus suis

Streptococcus suis can be identified as one of the most important problems after weaning. Due to the reduced growth, the high mortality levels and the high antibiotic use, *Streptococcus* infections are associated with high economic losses!

Infection route, importance of the sow



Healthy, subclinically and clinically sick piglets

Newborn piglets are infected during or shortly after birth by the (healthy carrier) sow. In cases of poor hygiene and/or little antibodies in the milk, the infection can cause clinical signs. In other cases the piglets become carrier pigs.



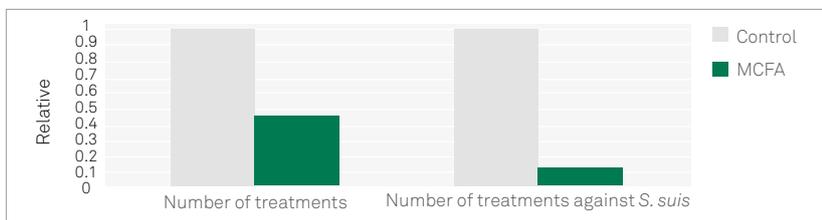
Subclinically sick piglets spread *Streptococcus* after weaning

Under unfavorable conditions (like weaning) the bacteria can multiply quickly and move via the blood to different organs where the typical symptoms are manifested.

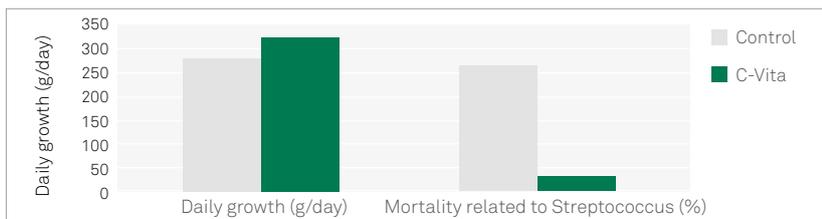
That's why Nuscience developed C-Vita, a well-balanced mixture of medium chain fatty acids (MCFA). This synergistic mixture gives a broad support against widespread pathogens, and an extra support against pathogens like *Streptococcus suis*. Next to this C-Vita has also a positive effect on intestinal morphology and improves immunity.

Trial results

> 440 weaned piglets were selected starting at weaning (26 days) till 34 days after weaning. Half of the piglets received the control feed (22 repetitions; 10 piglets/pen) whereas the other half received feed supplemented with Nuscience MCFA.



> 1200 weaned piglets on a farm with a high *Streptococcus* infection pressure were selected starting at weaning (21 days) till 49 days after weaning. Half of the piglets received the control feed, whereas the other half received feed supplemented with 1 kg/Mton C-Vita. This resulted in a reduction of the *Streptococcus* related mortality from 2.6 % to 0.3 %. Next to this also daily growth was improved with 13 %!



C-Vita, results in the field

Several farms with *Streptococcus suis* problems were selected as trial farms to evaluate C-Vita. The following results were observed:

Country	Problem	C-vita	Result
France	Mortality of 5.6 % after weaning, even with vaccination and medication	1 kg/Mton gestation	After 10 weeks mortality is lower than 1.5 %
Ireland	High mortality because of <i>Streptococcus</i> & <i>E. Coli</i>	1 kg/Mton piglet feed	lower mortality medication and ZnO stopped
Belgium	high mortality due to <i>Streptococcus</i> ear necrosis	1 kg/Mton gestation, lactation and piglet	lower mortality after 2 months disappearance of ear necrosis