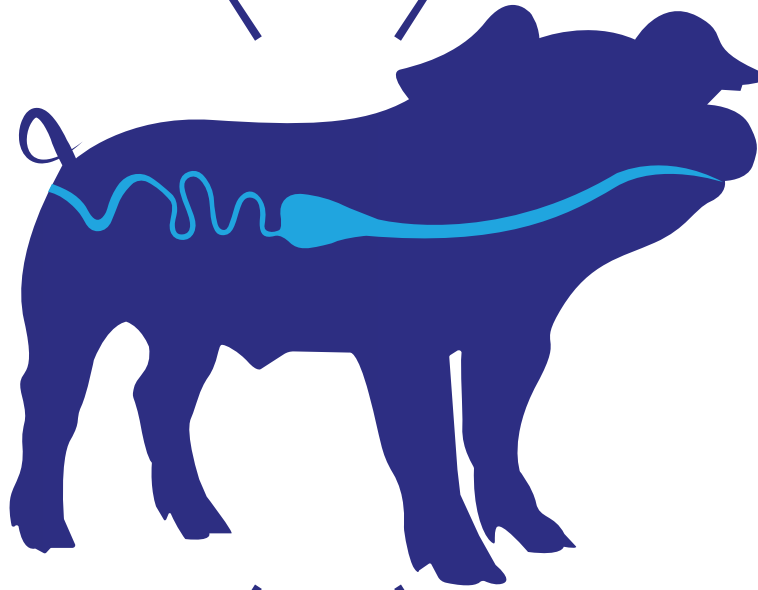


GBM Performant

Coated Calcium Butyrate

Gut Function and Morphology

Reinforce barrier function



Specific antipathogen mechanism

Modulating immunity



sanluc



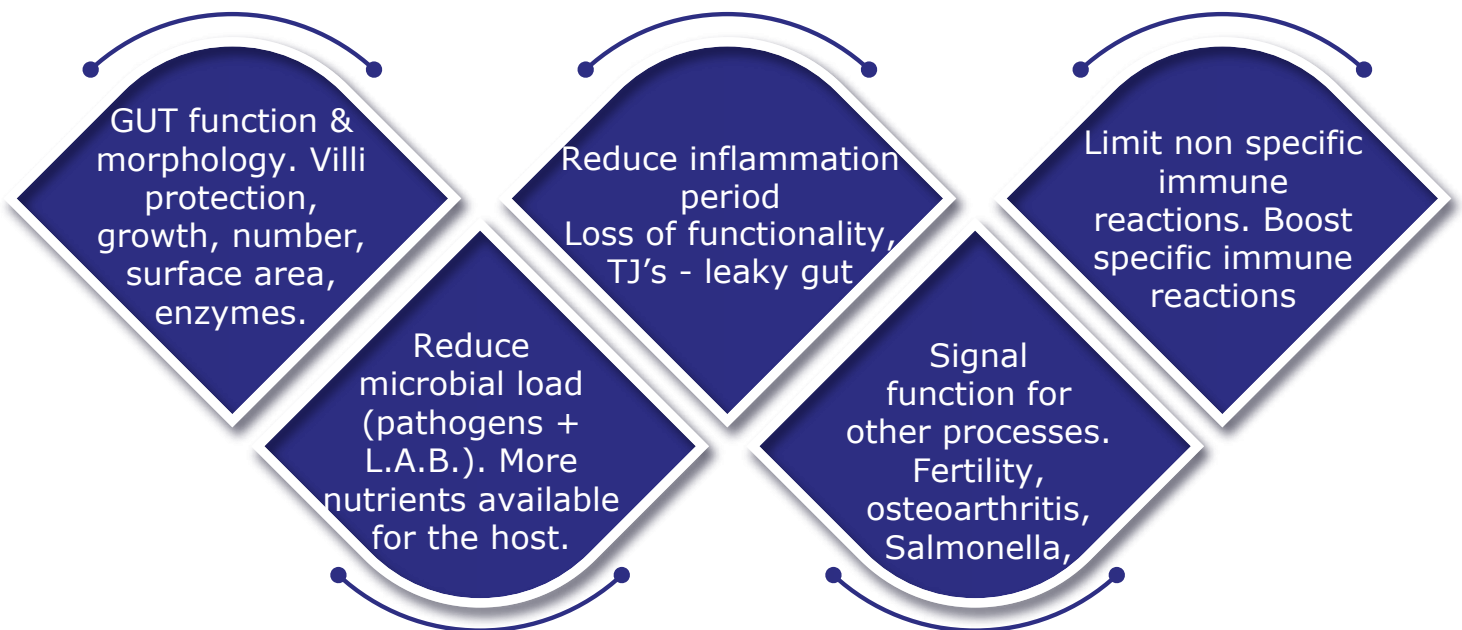
GBM Performant

GBM Performant is the purest and most concentrated form of encapsulated calcium butyrate on the market. Its coating ensures a dust and odour free supplement which stays stable under pelleting conditions.

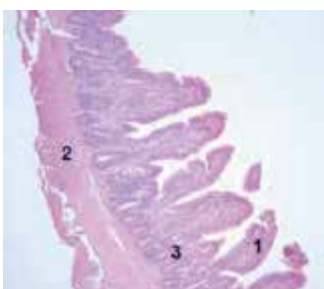
Nowadays, livestock production management emphasizes prevention as a key approach. One of the primary objectives of farming is to maintain proper animal health, which requires prioritizing hygiene and ventilation in the management system. Additionally, feed additives such as GBM-encapsulated calcium butyrate can significantly contribute to safeguarding animal health. This additive has been shown to positively impact intestinal health, leading to optimal digestive function, improved animal performance, and overall well-being.

GBM Performant	
What is it?	Encapsulated calcium butyrate 86% calcium butyrate= 70% butyric acid
Why coating?	To minimize strong odours and ensure efficient delivery, it is crucial to direct the product to its intended destination at the distal part of the G.I.T., bypassing the stomach.

Why use calcium butyrate in pigs and poultry ?



GBM Performant offers a comprehensive gut health management action that strengthens the integrity of intestinal epithelium. (Veterinary Faculty, Ugent)

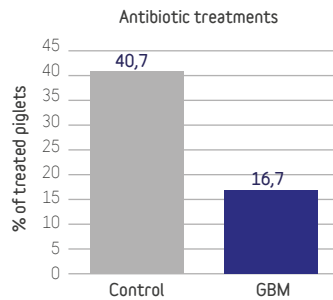
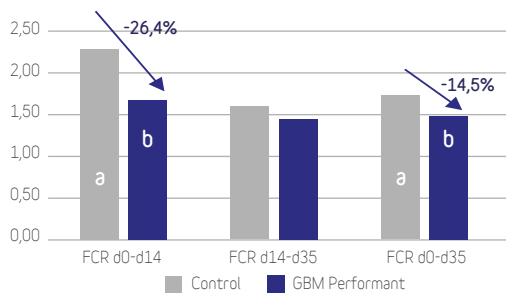
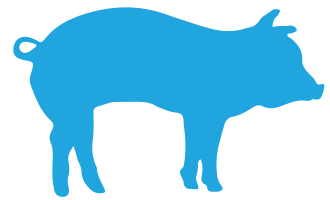


Control group:
villus atrophy (1)
Shorter villi (1)
Damaged villi (1)
Crypt hyperplasia (3)



GBM group:
increased villi length (1)
No increased crypt depth (3)
No villi fusion
Veterinary faculty, UGent

GBM Performant *in vivo* proven result:



	Control	GBM Performant
Mortality	13,3%	0%

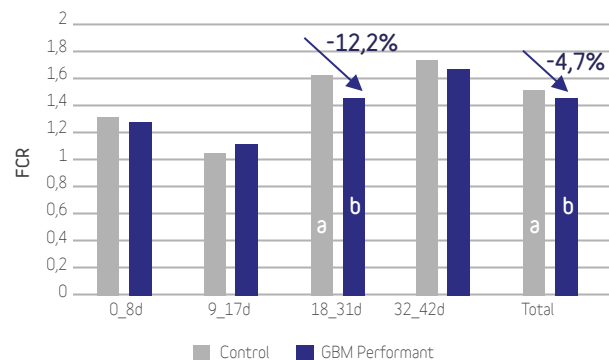
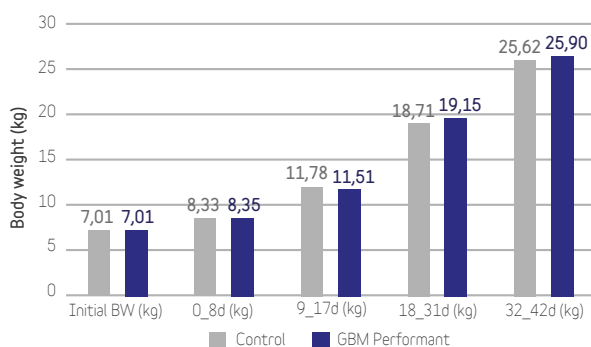
University of Ghent, Belgium 2021 (Adagio project).

Trial period: from d0 until d35 after weaning.

2 treatments x 10 pens per treatment x 6 piglets.

Control: basal diet (BD); GBM Performant BD + 1.5kg/ton

GBM Performant improves production parameters in piglets.



Experimental station, Brazil 2019.

Trial period: from d0 until d42 after weaning. 2 T x 8 pens/T x 12 piglets/pen.

positive control: 150 ppm Halquinol; GBM Performant: 1,5kg/ton (d0-d7) /

0,75kg/ton (d8- d14) / 0,50kg/ton (d15-d28) / 0,25kg/ton (d29-d42)

A smart way to increase profits in swine production

GBM Performant helps to maintain the natural balance of the intestinal flora

- Improved ADG and FCR in finishing pigs
- Improved feed intake, ADG and FCR in piglets
- More live-born and weaned piglets

Dosage recommendations:



Piglets

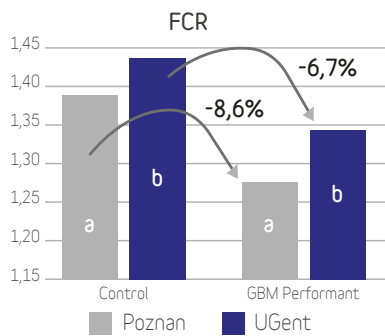
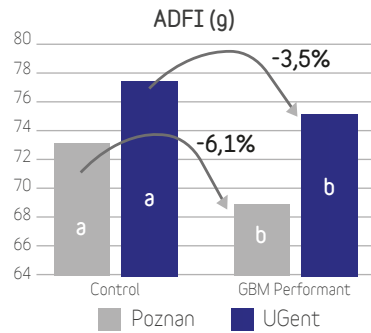
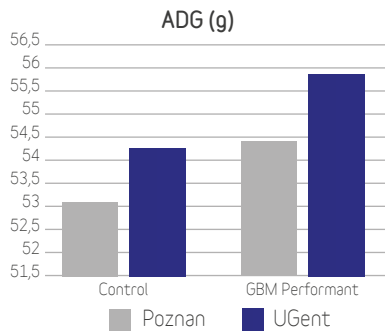
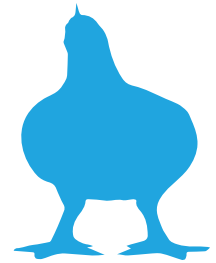
- 3kg/T in creep feed
- 750 g/T to 1,5 kg/T in pre-starter feed (7-22kg)
- 750 g/T in starter feed (22-40 kg)



Sow and Fattening pigs

- 450 g/T for growth and FCR
- 1,5 kg/T for Salmonella

GBM Performant *in vivo* proven result:



	CON	PFM	SEM	p-value
Villus Height	1164 ^B	1313 ^A	22.0	0.092
Crypt Depth	107 ^B	125 ^A	2.3	0.036
VH:CD	11,06	10,88	0.211	0.576

Poznan University, Poland and Ghent university Belgium 2021.
 Trial period: d0-d27 (Poland) and d0-d39 (Belgium). 2T x 10 pens/T x 8 birds/pen (Poland) and 2T x 9 pens/T x 22 birds/pen (Belgium).
 control: no additive; GBM Performant: 300-350g/ton (Starter) & 250g/ton (Grower or Grower + Finisher)

Dosage recommendations:

Layers

- 250g/T up to 45 weeks
- 350g/T after 45 weeks
- 500 g/T Therapeutic application

Broilers

- 300g/T in Starter
- 200-250g/T in Grower
- 200-250g/T in Finisher
- 500 g/T Therapeutic application

Calves

- 1.0-3.0 kg/T of milk replacer
- 1.5-2.0 kg/T of solid starter feed



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