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Stimbiotic product Signis' effectiveness in pig diets recognised in new peer-reviewed research paper

AB Vista has welcomed the publication of a new peer-reviewed research paper; 'Stimbiotic supplementation improved performance and reduced inflammatory response via stimulating fibre fermenting microbiome in weaner pigs housed in a poor sanitary environment and fed an antibiotic-free low zinc oxide diet'.

The study investigated whether the inclusion of a stimbiotic can improve performance, influence intestinal microbiota and fermentation activity, and reduce pro-inflammatory cytokines in piglets compared to fructo-oligosaccharide and mannan-oligosaccharide when housed either in good sanitary or poor sanitary environments.

The study results indicate that the stimbiotic shifted the intestinal microbiome to favour fibre fermentation which likely contributed to reduced inflammatory response and improved performance in good and bad sanitary condition even compared with the other additives tested.

Dr Gemma Gonzalez, AB Vista's Research Manager and one of the paper's authors, says: "We are very pleased with the outcome of this research. As a stimbiotic, Signis stimulates the microbiome to ferment fibre, increasing nutrient digestibility and enabling the fermentation of fibre sources that would otherwise be undegraded. Unlike prebiotics which are utilised as a substrate for bacteria, stimbiotics act as signalling molecules for specific groups of beneficial bacteria, they are supplemented at the range of g per tonne rather than kg per tonne in the case of prebiotics."

The paper was written by representatives of Chungnam National University, Daejeon, South Korea; Universitat Autònoma de Barcelona, Bellaterra, Spain, and AB Vista, and published by PLOS ONE.

The full paper can be read at:

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0240264>

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www.abvista.com/contactus Follow AB Vista on Twitter: [@ABVista](https://twitter.com/ABVista).

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Notes to editor:

AB Vista is an animal nutrition technology company offering pioneering products and technical services to the global animal feed industry. Since its establishment in 2004, AB Vista has grown to be a top-three player in feed enzymes and is also one of the largest suppliers of natural betaine to the global animal nutrition industry. The company invests heavily in research and development and has a growing portfolio of products and services spanning the poultry, swine, ruminant and aquaculture sectors. AB Vista is headquartered in the UK, with regional offices located in the USA, Brazil, Singapore, Spain, India, China, Germany and Finland.

AB Vista is part of AB Agri, the agricultural division of Associated British Foods, one of Europe's largest food & retail companies with a market capitalisation of £22 billion.

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