

A head start with Proglobulin® low ash plasma

Proglobulin® for pigs

Based upon extensive scientific trials and practical experience in Europe, North America and Asia it can be concluded that plasma proteins contribute to the reduction of antibiotics and the use of Zinc Oxide. Feeding plasma improves health (less diarrhoea) and technical performance (Average Daily Feed Intake and Average Daily Gain). Sonac produces porcine plasma proteins under the brand name Proglobulin®. Proglobulin® is rich in immunoglobulins (IgG) and other bioactive proteins that have a role in the immune system.

Proglobulin is produced of blood from healthy animals, inspected at slaughter by the official veterinarian. The plasma proteins are carefully dried with spray-drying to preserve the bio-active components.

Viral safety and legislation

The safety of plasma proteins is ensured by collecting only blood from healthy animals. Besides that only blood from healthy animals is collected, the successive process steps in our production plants guarantee adequate inactivation of viruses. Sonac has commissioned different trials with research institutes that prove this.

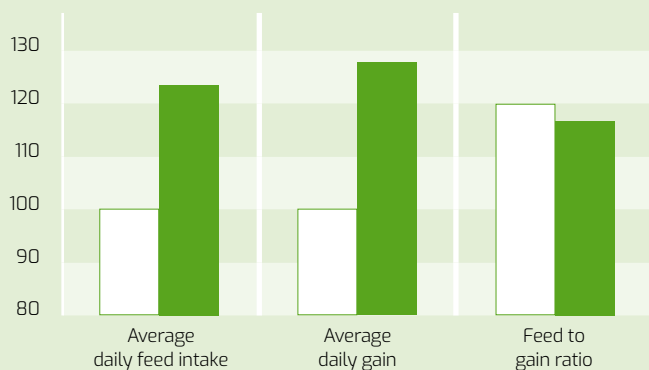
Application Proglobulin®

Proglobulin® is a high quality spray dried plasma protein. It is an excellent protein source in diets for piglets in the period around weaning. After weaning an high feed intake is essential for health and daily gain. When feed intake after weaning is too low, there will be a considerable reduction in small intestinal villus length, causing a reduction in the digestive and absorptive capacity of the gut. So when feed intake is higher, there will be less damage of the villi, which leads to a better health and daily gain after weaning. Numerous tests indicate that piglets prefer diets containing plasma proteins over diets containing other high quality ingredients like skimmed milk powder, whey proteins concentrated fishmeal and specialty soy products. This explains a higher feed intake when piglet diets contain Proglobulin®.

Figure 1:

Average percentage

□ control diets without plasma
■ plasma diets



Average percentage of plasma protein-induced improvement derived from 75 control-plasma (protein) comparisons in the first 2 weeks after weaning.



THE ADVANTAGES OF PROGLOBULIN®:

- daily feed intake after weaning increases with > 25%
- average daily gain after weaning increases with > 25%
- less diarrhoea problems
- high content of immunoglobulins
- high protein (80%), low sodium content
- agglomerated for easier handling
- reduces the need to use antibiotics and can replace Zinc Oxide
- relative low carbon footprint

Meta-analyse combining information from published scientific studies that compared diets containing plasma protein with control diets without plasma protein, show that the improvement for ADG and ADFI is respectively 28% and 25% (Figure 1).

Studies with plasma proteins have shown an improvement in piglet health after weaning. The high content of bio-active components, like immunoglobulins, further supports the positive effects on piglets. Typically, plasma proteins are used for the first 14 days after weaning at a dosage of 3% to 5%.

About Sonac: Sonac is a leading manufacturer of reliable ingredients of animal origin. With an active R&D program, reliable processes and sustainable end products Sonac continuously adjusts to market needs. A good geographical spread of locations and a broad portfolio of fats, proteins, minerals and specialties make Sonac a trusted partner for many international producers in food, pet food, feed and fertilizers, worldwide. Sonac is part of Darling Ingredients.

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