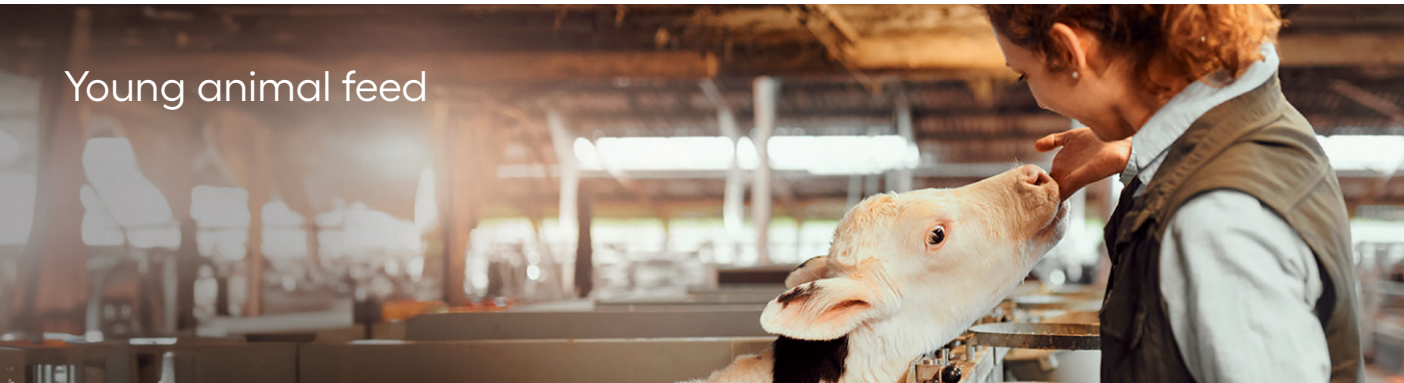


Young animal feed portfolio

# Creating robust young animals



Sustainable solutions  
for animal feed products



Valuable ingredients for young animal feed

A good start for a young animals life is important in the total life performance. The inclusion of specific animal proteins in starter diets for young animals will help boost the performance. Highly digestible protein sources with intrinsic functional components will support their intestinal health.

- Excellent digestibility
- Plasma proteins supports gut health
- Relative low carbon footprint

PROGLOBULIN®

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

Young chicks face many challenges with an immature digestive system, especially when dealing with microbiological pathogens. Inclusion of spray dried plasma in starter diets for broilers will boost the performance of the broiler flock. The highly digestible protein source with intrinsic functional components supports the early growth.

The recommend inclusion level of Proglobulin for piglets is 5% in the first 2 weeks and 1 to 2,5% for another 2 weeks. For young chicks the recommend inclusion level of Proglobulin is either 5% in the first 3 days or 2% in the first 10 days.

Calf Milk Replacers (CMRs) typically contain dairy-based ingredients. Proglobulin® offers an alternative protein source that can partially replace these dairy components. As an animal-derived protein, it features a favorable amino acid profile with high bio availability. Additionally, the immunoglobulins (IgG) and other bioactive proteins present in Proglobulin® may help support gut health in young calves.



MUCOPRO®

Our MucoPro® is a natural palatability enhancer. This hydrolyzed porcine peptone product is easily digestible. Looking at its characteristics MucoPro’s main attractiveness can be found in the nutrition of young animals (piglets, chickens and calves) aiming for improvement of feed intake and offering a wide array of easily available amino acids. Application of MucoPro can be in weaner diets for piglets, pre-starters for young chickens, and starter milks for calves. Recommended inclusion level: 2-3%.

SPRAY-DRIED HEMOGLOBIN POWDER

Our hemoglobin is sourced as hygienic cooled porcine blood and is produced after red blood cells and plasma separation. It is a spray dried quality ingredient suitable for young poultry.

- Good protein source
- Excellent digestibility
- High lysine content
- Water soluble
- Low potassium (K) content, reduces wet litter
- Good performance results in broiler diets

Discover which products can meet your needs in our product matrix

Product application and availability are depending on local legislation. Please contact us for more information.

|                    |                                                                                       | Crude Protein (%) | In vitro digestibility (%)<br>(Boisen) | Specific characteristics           | Allowed in EU           |
|--------------------|---------------------------------------------------------------------------------------|-------------------|----------------------------------------|------------------------------------|-------------------------|
| Proglobulin®       |  | 78 - 80%          | 99%                                    | Porcine plasma, powder             | Pig and Poultry         |
| MucoPro®           |  | 80%               | 99%                                    | Hydrolyzed desalted mucosa protein | Pig, Poultry and Calves |
| Pork hemoglobin    |  | 90%               | 95%                                    | Red blood cells                    | Pig and Poultry         |
| Poultry blood meal |  | 90%               | 75%                                    | Drum dried blood cake              | Pig                     |
| Poultry meal       |  | 62 - 70%          | 89%                                    | Dried poultry by products          | Pig                     |

## Sonac supports you in achieving your ESG goals

Sonac is part of Darling Ingredients, a player with a global footprint and a key role in the animal husbandry industry. Darling Ingredients has committed to Science Based Targets, taking up our role as industry leader and working towards mitigation of climate change. We believe Sonac ingredients, which are locally sourced out of co-products from meat and dairy, can contribute to a more renewable aquaculture industry. Sonac invites you to investigate how together we can achieve this goal.

### SONAC OFFERS FOR OUR CUSTOMERS:

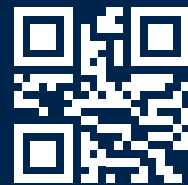
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- Wide range of animal derived ingredients with unique properties
- Worldwide technical support from formulation to finished product
- In-depth product training

## Creating high-quality young animal feed starts with the highest-quality ingredients

We transform animal-origin materials into valuable fats, proteins and minerals essential for young animal diets.

To learn more about our young animal feed email us at [info@sonac.biz](mailto:info@sonac.biz)



## Contact details

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Our unique size and scale allow us to help make entire industries less wasteful and more sustainable, while delivering the quality, innovative ingredients our customers expect. Our processing plants and sales offices in Australia, Belgium, China, Germany, Italy, The Netherlands (HQ), Poland, Singapore and the United States serve customers around the world.