



SUMIFLORA® - SG

Prebiotics for Gut Health

PRODUCT BENEFITS

SUMIFLORA® - SG is a sodium salt of gluconic acid (sodium gluconate) produced through fermentation. Gluconic acid naturally occurs in various products, like honey and fruits. When SUMIFLORA - SG is fed to animals, it can reach the lower gastrointestinal tract with minimal absorption or degradation, where it shows prebiotic activity.

Previous research has shown that sodium gluconate is selectively utilized by lactic acid- and butyric acid-producing bacteria, resulting in increased butyrate production in the gut. Because butyrate is well known as a primary energy source for gut epithelial cells, SUMIFLORA - SG supplementation may contribute to improved gut health by promoting nutrient absorption and supporting intestinal barrier functions.

ANIMAL NUTRITION BENEFITS



GUT HEALTH

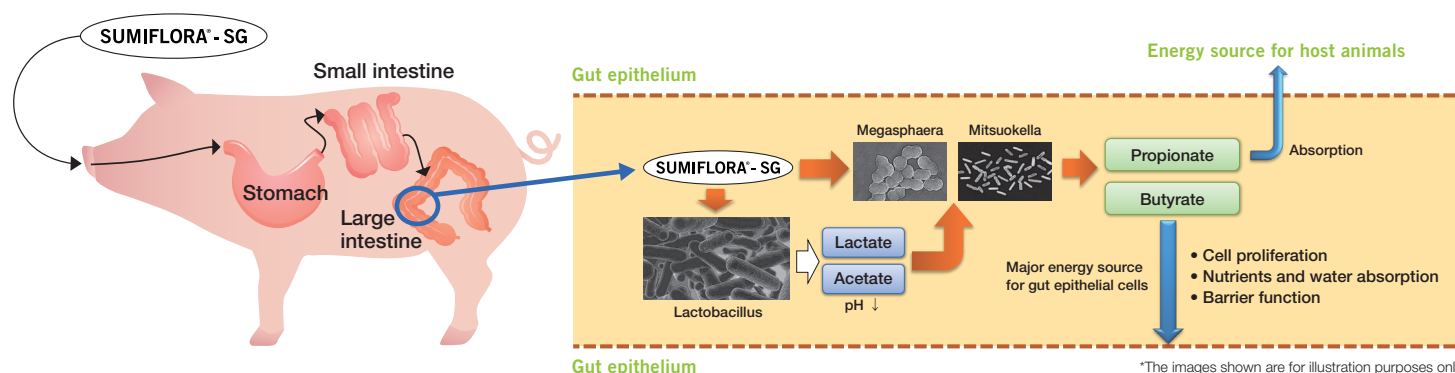
Supports gut health and performance



BENEFICIAL BACTERIA

Feeds beneficial gut bacteria

MODE OF ACTION & BENEFITS EXPECTED BY SUMIFLORA - SG



*The images shown are for illustration purposes only.
Source: Tsukahara et al. (2002), J. Nutr.

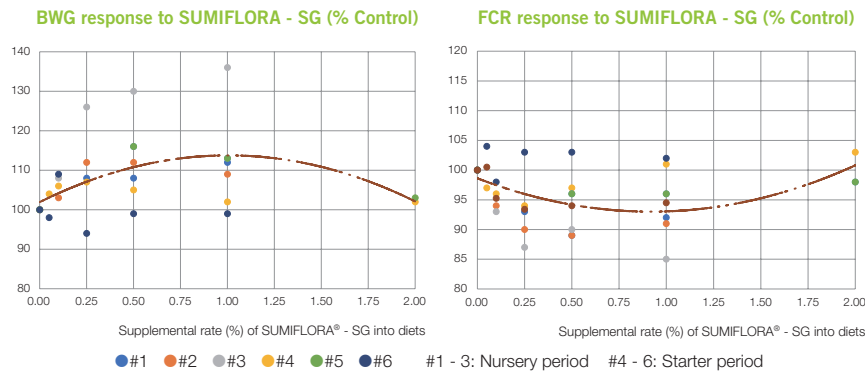
SUMIFLORA[®] - SG

Prebiotics for Gut Health

Piglet Study

Through its prebiotic activity, SUMIFLORA - SG is expected to support growth performance. The following figures summarize the results of six feeding trials in piglets conducted during the nursery (post-weaning) and the early growing phase (starter period). Based on the results, supplementation with SUMIFLORA - SG in diets in the range of 0.1% to 1.0% may support body weight gain (BWG) and feed conversion ratio (FCR). Considering cost-effectiveness, supplementation levels of 0.25% to 0.5% are recommended.

Source: Matsui et al. (2024), J. Anim. Sci., ASAS Midwest Meeting



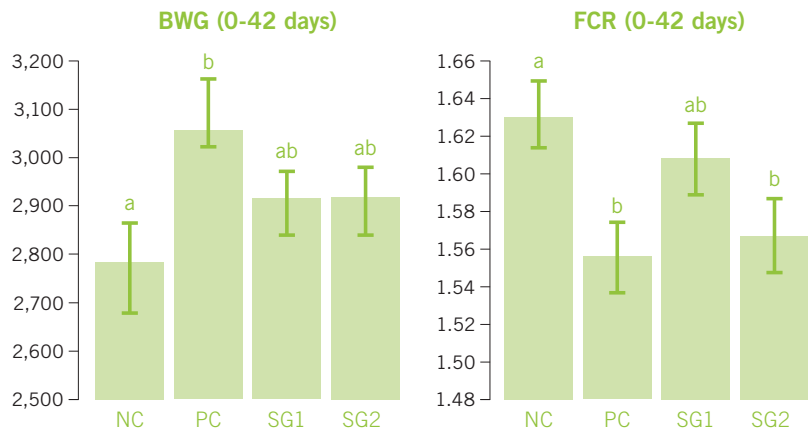
Broiler Study

SUMIFLORA - SG was evaluated in male broilers under challenging rearing conditions with used litter. Four treatments were tested: negative control (NC), NC + a chemical coccidiostat (PC), NC + 0.1% SUMIFLORA - SG (SG1), and NC + 0.2% SUMIFLORA - SG (SG2).

At day 42, birds fed PC achieved the greatest body weight gain (BWG), while NC had the lowest, and SG1 and SG2 were intermediate. Feed conversion ratio (FCR) was poorest in NC, improved with SUMIFLORA - SG inclusion, and lowest in PC.

SUMIFLORA - SG supplementation helped mitigate reduced growth performance associated with immunological challenges in the NC group, indicating potential as a nutritional strategy under practical production conditions.

Source: Allensworth et al. (2026), Int. Poult. Sci. Forum (IPSF)



SUMIFLORA - SG Product Information

Chemical Name	Sodium Gluconate
Chemical Structure	$\begin{array}{ccccccc} & \text{OH} & \text{OH} & \text{H} & \text{OH} & & \\ & & & & & & \\ \text{HOH}_2\text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{C} & - & \text{COONa} \\ & & & & & & \\ & \text{H} & \text{H} & \text{OH} & \text{H} & & \end{array}$
Molecular Formula	C ₆ H ₁₁ O ₇ Na
Molecular Weight	218.13
CAS NO.	527 - 07 - 1
Description	White to yellowish white crystals
Specification	Content: Min. 98% Loss on drying: Max. 0.3%
Additional info	Sodium: Min. 10.3%

Shelf life	2 years (24 months) in original packaging under recommended storage conditions.
Usage	Add quantity recommended to feed for all farm animals. Examples of use include swine, poultry, and calf feed.
Packaging	25 kg (55.12 lbs.) paper bag.
Storage	Store in a cool, well - ventilated area. Keep away from direct sunlight. Avoid contact with water and humidity.
AAFCO Definition	582.6757 Sodium Gluconate



Always read and follow label instructions.
SUMITOMO and SUMIFLORA are registered trademarks of Sumitomo Chemical Co., Ltd.
1910 Innovation Way, Suite 100, Libertyville, IL 60048 | ©Sumitomo Biorational Company March 2026

