

# SpeoCare® T60

alone or with GutPlus® improves growth performance and gut health in weaned pigs

Trial conducted in 2024, at Biopig Research Facility, Ho Chi Minh, Vietnam



After weaning, the pig's digestive system is still immature, resulting in impaired gut barrier development and function. SpeoCare® T60 (≥60% tributyrin) releases butyric acid into the intestinal lumen, a key molecule that plays multiple roles in maintaining gut health and performance. GutPlus®, a *Bacillus subtilis* DSM 32540-based probiotic, supports gut health by promoting a healthy balance of gut microorganisms.

## OBJECTIVE

To evaluate the effect of dietary supplementation of SpeoCare® T60 alone or with GutPlus® on gut health and performance in weaned pigs.

## ANIMALS

Large White Yorkshire × Landrace crossbred pigs, 21-day old, mixed sex, ~5.95 kg (20 pigs / pen, 10 pens / group).

## TREATMENTS

**Duration:** Days 21–63 of age

**T1:** basal diet + zinc oxide (3 kg/t, days 21–35)

**T2:** basal diet

**T3:** basal diet + SpeoCare® T60 (days 21–42: 1.5 kg/t; days 42–63: 1.2 kg/t)

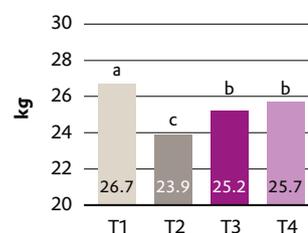
**T4:** basal diet + SpeoCare® T60 (days 21–42: 1 kg/t; days 42–63: 0.8 kg/t) + Probiotic (GutPlus®, 500 g/t)

All diets contain no other supplementary organic acids

## RESULTS

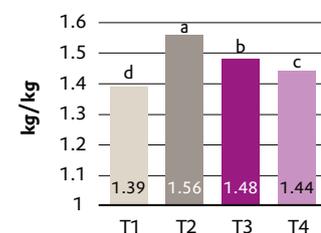
SpeoCare® T60 supplementation alone (T3) or with GutPlus® (T4) significantly increased body weight (+5.4%, +7.5%, respectively) and reduced feed conversion ratio (-5.1%, -7.7%, respectively) of pigs, compared with those fed basal diet (T2).

**Body weight**  
(Day 63)



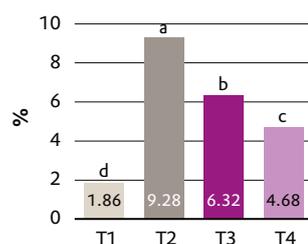
<sup>a-d</sup> Means with different letters differ significantly ( $P < 0.05$ )

**Feed Conversion Ratio**  
(Days 21–63)



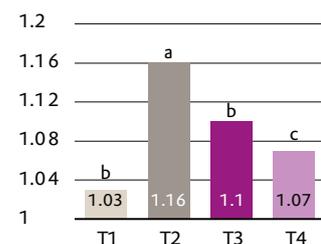
SpeoCare® T60 supplementation alone (T3) or with GutPlus® (T4) significantly reduced the incidence of diarrhea (31.9%, 49.6%, respectively) and fecal score (-5.2%, -7.8%, respectively) compared with those fed basal diet (T2).

**Diarrhea Incidence**  
(Days 21–63)



<sup>a-d</sup> Means with different letters differ significantly ( $P < 0.05$ )

**Fecal Score**  
(Days 21–63)



## CONCLUSION

SpeoCare® T60 supplementation alone or with GutPlus® in weaned pigs:

1. Significantly improved growth performance and reduced diarrhea incidence
2. Improved overall production efficiency
3. Demonstrated a synergistic effect between SpeoCare® T60 and GutPlus®

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