

Body Weight

Individual body weights were recorded on day 0, on day 8 of the trial and every 7 days afterwards (day 15, 22, 29, 36), and finally on day 43.

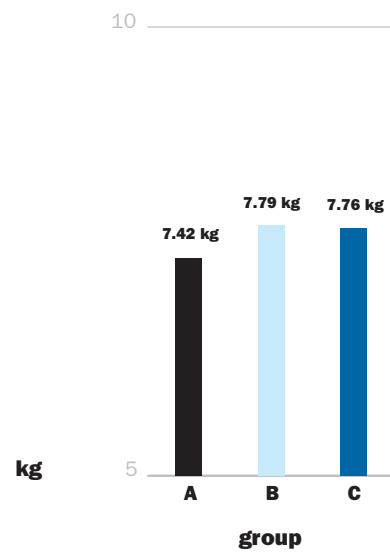
	Day 0	Day 8	Day 15	Day 22	Day 29	Day 36	Day 43
A	6.55 ^a	7.42 ^a	8.64 ^a	11.01 ^a	14.45 ^a	18.46 ^a	23.14 ^a
B	6.51 ^a	7.79 ^b	8.96 ^b	11.43 ^b	14.95 ^b	19.08 ^b	23.65 ^{a,b}
C	6.59 ^a	7.76 ^b	8.90 ^b	11.54 ^b	15.20 ^b	19.25 ^b	23.89 ^b

a, b: values within columns with differing superscripts are significantly different (p<0.05)

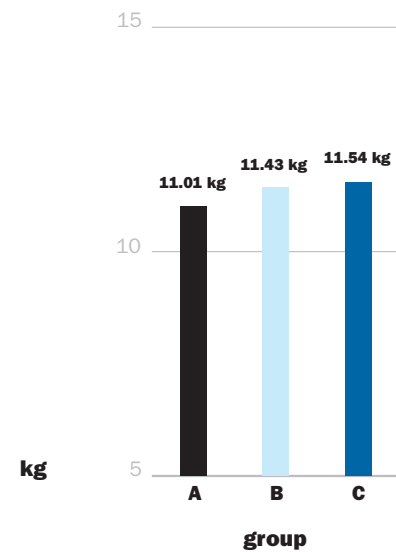
To further expand on the weight measurement grid above, the three charts below display results within the first 6 weeks following the administration of treatment; at day 8, 22, and 43. All three results show significant results in favour of either group B or group C;

Poly-Tonine A Super Booster N° 1®.

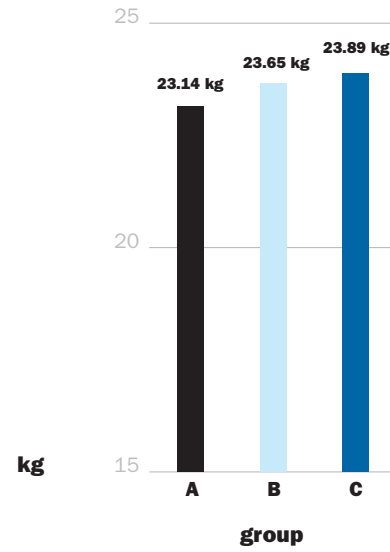
Day 8 Average weight
(p < 0.05)



Day 22 Average weight
(p < 0.05)



Day 43 Average weight
(p < 0.05)



CONCLUSION

Pigs treated with **Poly-Tonine A Super Booster N° 1®**, either once (**group B**) or twice (**group C**) during the post-weaning period had significantly improved weight gains over the placebo-treated controls (**group A**).

Both **Poly-Tonine A Super Booster N° 1®** groups (**groups B & C**) having significantly heavier pigs when compared to the control (**group A**), it is not unreasonable to expect stronger overall performances in the growout barns.



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Data on file with Vétoquinol:
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Vétoquinol
a Sign of Passion

Poly-Tonine A Super Booster N° 1®

The solution is **soluble**





Dr Claude Thibault DVM
 Technical Veterinary Services
 Vétoquinol Canada Inc.

Throughout the last decades, water soluble powders have been successfully used to deliver nutritional supplements and medications. Compared to injections and feed additives, soluble powders are a very efficient and an economical way to deliver mass medication.

- Medicating a relatively large number of animals is definitely more logistically friendly through water consumption as opposed to repetitive injections.
- Ill animals may have very low appetites especially when fever is involved, while water consumption may remain relatively reasonable, thus medicating through water is more likely to deliver optimal amounts of active ingredients.
- The sole use of soluble powders, as opposed to feed additives, will virtually eliminate the risk of antibiotic contamination of feed manufacturing, storage and distribution equipment.
- Finally, soluble powders allow for precise administration of actives while allowing to treat targeted groups within a herd or flock, on pulse therapy programs, whereby overall efficiency is improved.

There are many commercially available medicated soluble powders, however only **Poly-Tonine A Super Booster N° 1®** displays the following unique characteristics:

SUMMARY	ACTIVE INGREDIENTS	SCOPE	SPECIES+WITHDRAWAL	THERAPEUTIC SUMMARY
As an aid to stimulate feed intake, maintain weight gains, and for the of treatment and control of infectious diseases caused by micro-organisms sensitive to penicillin G potassium and streptomycin sulfate.	penicillin G potassium, streptomycin sulfate, vitamins	ANTIBACTERIAL MULTIVITAMIN	SWINE 5 BROILERS 5 LAYERS 5 TURKEYS 5 CALVES 5	APPETITE STIMULANT C.R.D. ENTERITIS STRESS VITAMIN DEFICIENCIES WEIGHT GAIN

Chart to the right displays concentration per litre of water of all ingredients contained in **Poly-Tonine A Super Booster N° 1®**, based on:

- swine dosage at a dilution rate of 400 g in ~ 330 litres, or...
- 400 g in 2.6 L stock solution, distributed by water medicator – 30 mL per 4 L (1 oz per U.S. gallon)
- withdrawal for pigs is 5 days

ACTIVE	ME.	CONCENTRATION
Penicillin G Potassium	I.U.	55125.92
Streptomycin sulfate	mg	170.36
Vitamin A	I.U.	8333.34
Vitamin D ₃	I.U.	2777.78
Vitamin E	I.U.	8.34
Riboflavin	mg	3.70
Calcium D-Pantothenate	mg	8.34
Niacinamide	mg	27.78
Pyridoxine HCL	mg	3.62
Vitamin B ₁₂	mg	2.68
Vitamin K ₃	mg	3.70

IMPORTANT NOTE:
 The data supplied throughout the charts and texts in this page are merely a summary. Labels should be thoroughly read at all times to ensure proper usage.

At Vétoquinol we understand the need for ongoing research, and how this may better guide you in your everyday work. As a longstanding leader in the soluble powder market for over thirty years, we believe that we have the duty to supply you with the most recent information, and this understood as an intricate part of high quality products and services.

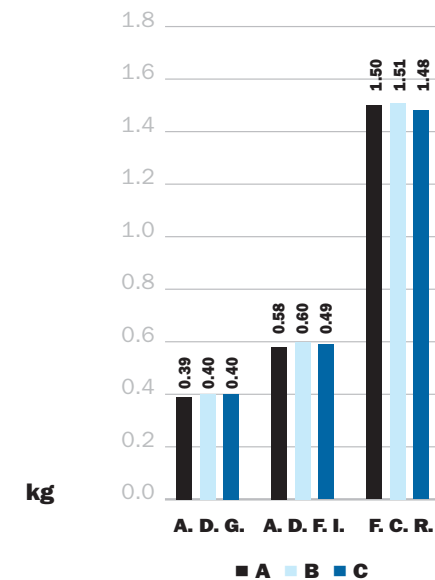
Introduction

A trial was conducted to assess the overall potential effect of **Poly-Tonine A Super Booster N° 1®** on starter piglets, healthy or sick. More precisely, weight gain and related performances were measured starting at weaning (day 0) and for 43 days thereafter. The trial involved 1080 piglets in a blind and complete randomized design, in 2 nursery rooms and 15 pens for each 3 treatment groups. Each group was identified as (**group A**) control/placebo, (**group B**) receiving **1** treatment of **Poly-Tonine A Super Booster N° 1®** starting at weaning (day 0), and lasting 5 days as per label indications, and finally (**group C**) receiving **2** treatments of **Poly-Tonine A Super Booster N° 1®** starting at weaning (day 0) and day 21; both administrations lasting 5 days as per label indications. In addition, all piglets were vaccinated against *Mycoplasma* at day 10 and 24 of the trial, while chlortetracycline was administered at 550 grams per tonne for 5 days, and followed by a lincomycin/spectinomycin at 22 grams per tonne for the remainder of the nursery period. It must also be noted that the overall environment and related factors were essentially the same for all piglets involved in the trial.

Performance

- During the study, the following parameters were measured; **Average Daily Gain (A.D.G.)**, **Average Daily Feed Intake (A.D.F.I.)** and **Feed Conversion Ratio (F.C.R.)**.
- The graphic illustrates the average results over the duration of the study.
- Although recorded results did not display any significant difference for the parameters discussed in the graph, it must be noted that average body weight was significantly superior in favour of groups B and C (Poly-Tonine A Super Booster N° 1) from day 8 through day 43 of the trial, as displayed on the following page.
- Following the second treatment in group C, at day 29, the weight difference widened to 750 grams versus group A, and remarkably also widened to 500 grams when comparing group B (1 treatment at weaning) versus group A. Both of these results producing heavier body weights in group B and C versus group A, are statistically significant (p > 0.05), as displayed on the following page.

Performance parameters (after 40 days)



Morbidity

- Although morbidity and mortality were not primary parameters intended to be measured during this study, it should be noted that mortality numbers were very low (< 1%). No statistical analysis was done.