

Tonistry Px

The First Isotonic Protein Drink for Pigs

From day 2 of life, help your pigs thrive as they transition through key production milestones.

What is Tonisity Px?

Tonisity Px is the first isotonic protein drink that feeds the pig's gut from day 2 of life

How does Tonisity Px differ to other products?

Tonisity Px helps pigs transition through key production milestones by supporting the enterocytes of the small intestine. This leads to the following long-term benefits;

**Lower
Pre-Weaning
Mortality**



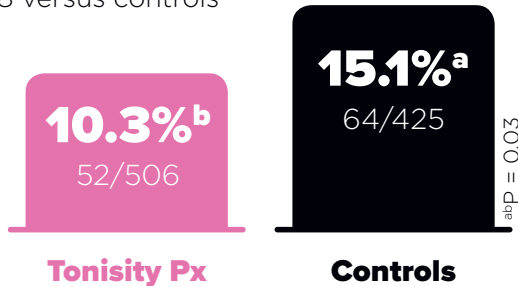
**Smoother
Transition
through the
Weaning Period**



**Better Weaning
Weights and
Faster Growth
to Finish**

30% Fewer Pre-wean Deaths

Groups of pigs given Tonisity Px days 2-8 versus controls¹



Aids in Weight Gain

Day 28

+310g

Day 79

+1.7kg

Day 172

7 Days Earlier to Reach
120kg Live Weight

Pigs given Tonisity Px on days 2-8 and at weaning showed a continuous weight gain advantage over controls and reached market weight earlier²

¹ Tonisity Tech Bulletin PX-18-01

² Data on File, Study Report TON-18-051

A Good Gut Feeling

Tonistry Px consists of a number of key ingredients that encourages the development of the enterocytes of the small intestine so that it works at peak performance.

What's the Big Deal with Enterocytes?

Enterocyte cells are the final gateway for the absorption of all nutrients into the bloodstream.

By targeting the enterocytes, Tonistry Px helps to stimulate and boost the growth of the small intestinal villi enabling them to better absorb nutrients into the bloodstream.

Development of Small Intestine in First 3 Weeks of Life

2X

Total Surface Area Doubles by Day 10

2X

Number of Enterocyte Cells Doubles in First 3 Days of Life

3X

Original Length and Surface Area Triples by Day 21

The Tonistry Px advantage over Control Group³:

Pre-weaning:

- ✓ **8.3%** higher villi height
- ✓ **9.0%** more intestinal mucosal thickness

Post-weaning:

- ✓ **16.9%** higher villi height
- ✓ **10.6%** more intestinal mucosal thickness

³ Data on File, Study Report 16-004

Farrowing Stage: A Key Opportunity to Improve Survivability

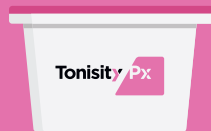


Provide to piglets during days 2 - 8

Dosage – 500ml / litter / day
(40ml / piglet / day)

Mixing Instructions

Tonistry Px
Powder



Fresh
Water



Tonistry Px
Solution



Use the enclosed Tonistry International scoop to measure one level 15g scoop per 500ml of fresh water (for 1kg bags) or two level 155g scoops per 10L of fresh water (for 5kg bags).

In a study on a 7,200 sow farm in USA (weaning from 15 to 22 days of age), Tonistry Px given days 2-8 **reduced pre-weaning mortality by 1/3** (10.3% vs. 15.1%, P = 0.03) and **boosted body weight in the first 3 weeks post-weaning by 9.3%** (9.9kg vs 9.0kg, P = 0.06).⁴

⁴ Tonistry Tech Bulletin PX-18-01



Supports a Strong Healthy Start to Life

Give Tonistry Px from days 2-8 to support a healthy gut from the word go.

The Result >



**Improved
Gut
Health**



**Decreased
Pre-Weaning
Mortality**



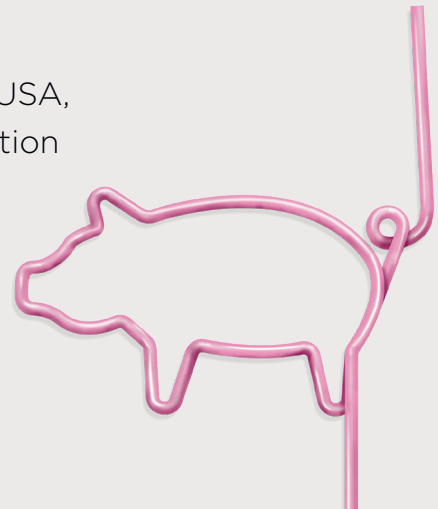
**Better
Performance
Up to
Slaughter**



**Better
Return on
Investment**

A meta-analysis of 60 trials across Europe, Asia and the USA, involving 125,575 piglets, shows an average of 20% reduction in pre-weaning mortality vs. controls (9.7% vx. 12.1%).⁵

**This equals +0.32 pigs per litter or
+0.75 piglets per sow per year.**



⁵ Data on File

Weaning Programme

Pour the Tonisity Px solution on top of the dry feed, or prepare a gruel, for at least 3 days before weaning.

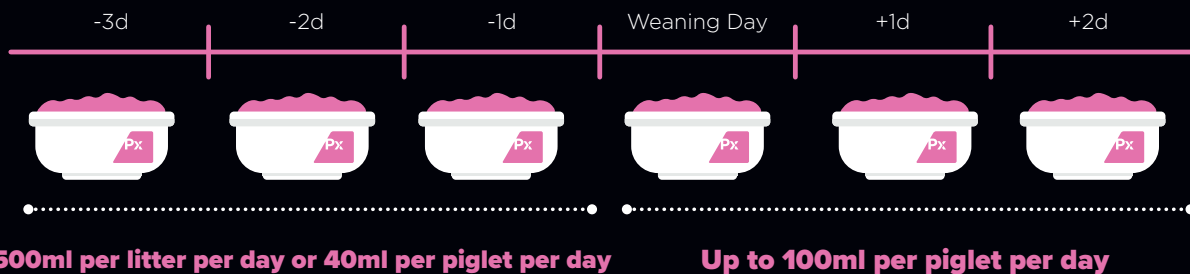
Ratio

Approximately one litre of Tonisity Px solution for each kilo of dry feed

Quantity

Pre-weaning, target a quantity of 500ml of solution per litter per day or 40ml of solution per piglet per day on top of feed or in a gruel

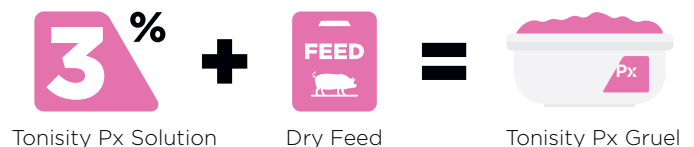
If possible, supply the Tonisity Px solution 3 days after weaning (Up to 100ml per piglet/day)



Mixing Instructions

For Liquid/On Top of Feed

The Tonisity Px solution can also be used to prepare a gruel to encourage feed intake after weaning. To prepare 20kg of gruel, mix 10L of Tonisity Px solution with 10kg of dry feed and give 20kg gruel per 100 pigs per day for 2-3 days.

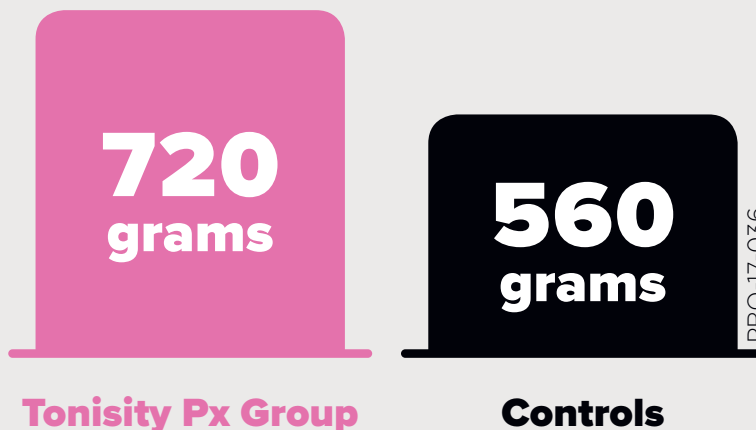




Ensure Steady Growth with Fewer Fall Behinds

The first week after weaning can be particularly challenging. This study shows the Tonistry Px advantage.

Piglets receiving the Tonistry Px Solution in a pan from days 2-8 and on top of feed at weaning gained 28% more weight than the control group during the first week post weaning (Days 21 to 28).



The Result



Pigs drink more which encourages greater feed consumption and weight gain. Tonistry Px provides the necessary energy boost and hydration required during the stressful weaning phase.

Sows and Piglets Can Benefit from Tonistry Px

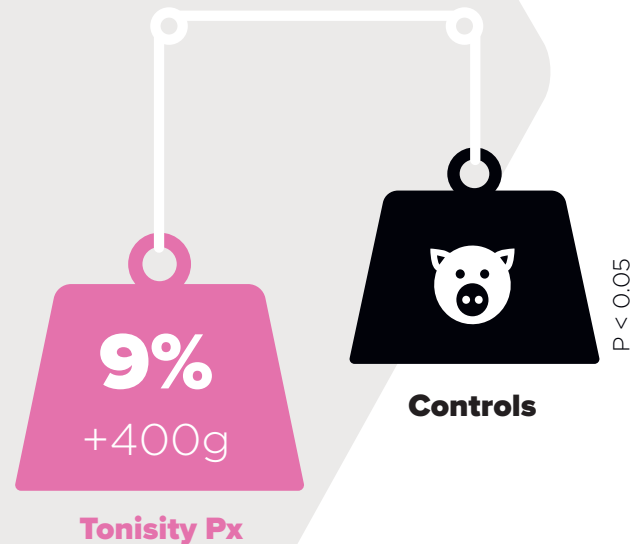
Tonistry Px not only provides microenteral nutrition to neonatal and weaning pigs but can also be used as a top-dressing on sow feed to increase productivity.

Supplementing sow feed with 3% Tonistry Px solution in the pre-farrowing and pre-weaning stages resulted in increased weaning weights at 21 days.⁶

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Sows given Tonistry Px prior to farrowing and weaning are better able to withstand the stress of these stages. The benefits can be seen in their piglets.

- **Increased weaning weight**
- **Reduced pre-weaning mortality**

- **Increased sow feed intake**
- **Reduced antibiotic usage**

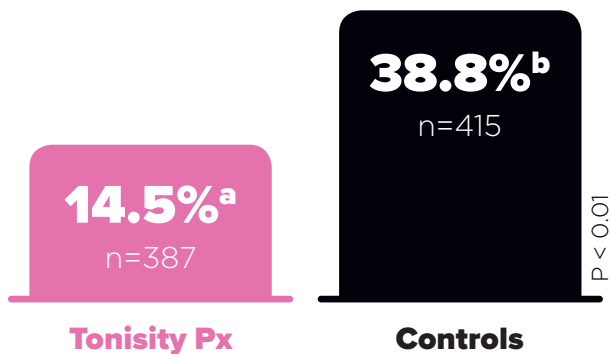


⁶ Trial Study: (TON-17-003).



Healthy Pigs Help Lower Costs

63% **Reduction of Antibiotics⁶**
Piglets from Sows Treated with Tonistry Px



Piglets from sows given Tonistry Px prior to farrowing were **3.75 times less likely to receive antibiotics** than those from sows that did not receive Tonistry Px.



**Fewer
Antibiotics
Mean**



**Healthier
Pigs**



**Less
Cost**



**Less
Labour**



Environmental or Transport Challenges

During transit, pigs are exposed to stress (space restrictions, travel conditions and transit time), which can affect their overall health and well-being.

Tonistry Px can be used to provide support and hydration during these stressful periods to ensure pigs arrive in the best possible condition.



Use before and after transport to facilitate a faster transition to normal feeding behaviors upon arrival.

Pre-transport:

Give newly weaned pigs up to 100ml of Tonistry Px solution per pig per day for 2 days before transport begins, and 2 days after arrival

Pre-slaughter:

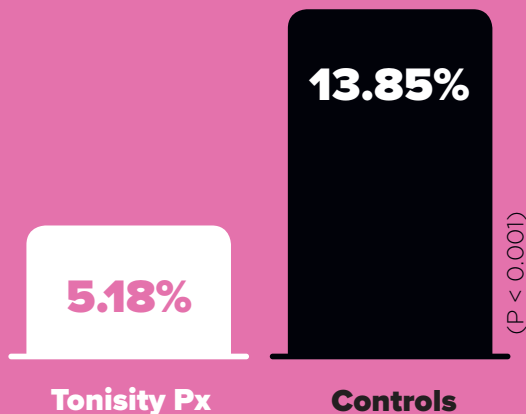
For finished pigs destined for slaughter, give 100ml of liquid Tonistry Px solution per 10kg liveweight, prior to transport.

Reduce the Impact of Disease Challenges

➤ **U.S. herd with a particularly severe PRRS outbreak**

➤ **Tonistry Px pigs given solution before and after 12-hour transport**

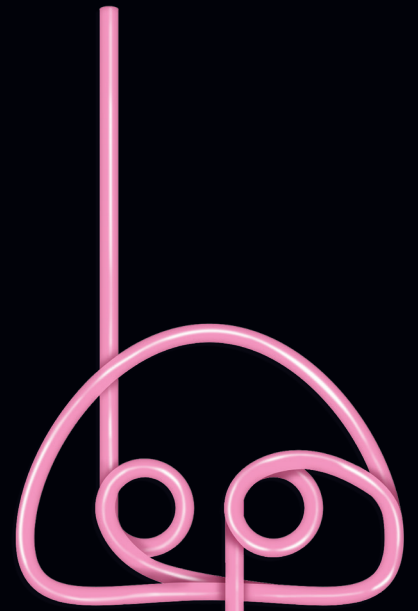
Post-weaning mortality during the 6 weeks after arrival of 5.18% for pigs receiving **Tonistry Px** was significantly lower than the **13.85%** mortality in the **Control group** ($P < 0.001$).⁷



When faced with a challenging situation like a move to another location, disease outbreak or production challenge,

pigs will recognise and eagerly consume Tonistry Px.

⁷ Tonistry Tech Bulletin PX-18-03



Use Tonisity Px

**Put Tonisity Px to work on your
farm or your client's operation**

For more information, or to order Tonisity Px:

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