

Uniferon® – the safe choice for high performance



NATURAL FORMULA

Uniferon® is a strongly bound iron complex manufactured without the use of organic solvent or cyanide, avoiding trace residues of these components.



GLOBAL APPROVAL

Uniferon® is the only injectable iron for piglets approved by the medical authorities in Europe, Asia and by the Food and Drug Administration (FDA) in the US.^{[10][11]}



FASTER GROWTH

Uniferon® is research-proven to boost haemoglobin levels and average daily gain.^{[11][7]}



COMPLETE ABSORPTION

Uniferon® contains high quality iron dextran that is completely absorbed by the piglet.^[9]



HUMAN STANDARDS

Uniferon® has a good safety profile and is manufactured to the same standards as those required for human medicine.^[9]

Get access to expert know-how and support with Uniferon® point-of-care

Uniferon® gives you access to hands-on expert knowhow and scientific support on optimal anaemia care. We collaborate with leading industry experts and veterinarians, and our Uniferon® point-of-care programs help you ensure high-standard quality care.

F.A.C.T

F.A.C.T – Farm Anaemia Certification and Training is a continuous process designed to assist breeders in improving anaemia care in every aspect. F.A.C.T brings the anaemia status of the herd into focus. By measurement of haemoglobin and implementation based on global best practices, F.A.C.T.

IRON ROAD SHOW

The Uniferon® Iron Road Show is a one-day iron seminar. It is a unique chance for you to get hands-on anaemia counseling from leading Danish veterinary specialists, which prepares you for early and effective intervention.

INTERNATIONAL IRON EXPERT BOARD (IEB)

An international board of leading professors and experts within swine production helps you stay at the forefront by offering expert advice on applying scientifically endorsed methods and knowhow at point-of-care. For more information, please download our Uniferon Handbook on www.uniferon.com

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Quality and value from Uniferon® – your winning partner



THE UNIFERON® GUARANTEE

Uniferon® has a shelf-life of three years. Each bottle comes with a rubber stopper, which reseal the vial so the content can be used up to 28 days after opening of the vial.



Quality iron for your piglets

www.uniferon.com

uniferon®
Iron(III) Dextran

PHARMACOSMOS
Committed to Quality



The world's #1 injectable iron brand



Quality iron for your piglets

www.uniferon.com

Danish iron by Pharmacosmos – simply world class

Pharmacosmos is an innovative manufacturer and specialist provider of world-class treatments for iron deficiency anaemia in humans and animals. We produce our iron dextran products at our GMP-approved pharmaceutical manufacturing facility in Holbaek, Denmark using a unique manufacturing and complexing technology. This allows for a unique stable and uniform top-class quality injectable iron.

QUALITY COMMITMENT – ALL THE WAY
Uniferon® is a quality iron supplement for piglets that promotes better health and faster growth. Pharmacosmos works with dedicated **Uniferon®** partners all over the world, and Pharmacosmos and **Uniferon®** provide treatment for more than 500 million piglets every year.

Growth begins with Uniferon®

FASTER GROWTH AND WEIGHT GAIN
A clinical trial shows that piglets given Uniferon® gain an average of 258g a day until day 34, which translates to higher production yields and better ROI.^[1]

A single 1ml injection of 200mg Uniferon® iron ensures your piglets gets the recommended initial dose of iron.

Studies show that daily weight gain may benefit from a 2nd injection of Uniferon®.^{[1] [2] [3]}

Is your herd reaching its full potential?

TRY OUR IRON-GAP FINDER AND ROI CALCULATOR TO FIND OUT
The **Uniferon®** Iron/Weight Gain Optimizer tool can help you determine a potential iron gap among your fast-growers.

The **Uniferon®** ROI Calculator can help you identify your economic opportunity potential from optimized iron care.

Find out more at www.uniferon.com



Why successful breeders care about anaemia

IRON INJECTION PREVENTS ANAEMIA AND ENSURES OPTIMAL GROWTH
Next to feed and water, iron is a most critical factor for growth. Anaemia is generally recognized as a condition of substandard growth and haemoglobin levels. Low haemoglobin levels during weaning inhibit growth. **Even when haemoglobin levels are restored, the deficit in growth will be permanent.**^[4]

With limited iron stores at birth and low uptake from milk and feed, on average, the piglet requires a supplement of approximately 45-55mg iron per kilo growth.

PRE-WEANING HAEMOGLOBIN PREDICTS POST-WEANING GROWTH
A variation of 10g/l in haemoglobin at weaning results in a variation of 18g/day in weight gain 3 weeks after weaning.^[5]

UP TO 67mg IRON PER KILO BODY WEIGHT NEEDED FOR OPTIMAL GROWTH^[6]

POST-WEANING GROWTH REQUIRES HAEMOGLOBIN ABOVE 110g/l^[7]

ASSESS ANAEMIA AT WEANING FOR OPTIMIZED CARE
Despite routine iron supplementation at birth, modern pig production may show a 20% prevalence of severe anaemia at weaning in otherwise healthy herds.^[8]

Herd level assessment of anaemia at weaning is critical and can be conducted at pen-side in a cost-effective way.

The anaemia status of the herd remains an important health priority through weaning. Leading breeders monitor haemoglobin routinely for follow-up treatment.



Quality Commitment – all the way

Ask your local partner about anaemia facts

¹ Haugegaard, J. et al., The Pig Journal (2008) 61, 69 – 73
² Bach, J et al., IPVS Copenhagen, 2006, vol. 2, p. 565
³ Framstad T., Sjaastad ØV. NVT (1991) 103, 21 – 27 "Jern i smågrisernæringen"
⁴ Framstad T., Sjaastad ØV. NVT (1989), 101, 925 – 930: "Jernmangelanemi hos smågriser. En kollisjon mellom fysiologi og produksjonsmiljø."

⁵ Nielsen, J.P. & S. Bhattarai (2014). "Association of hematological status at weaning and weight gain post-weaning in piglets. In: Proc. 23rd IPVS Cong., June 2014
⁶ Kamphues, J., K. Männer, and C. Netzer. (1992). "Effects of a 2nd iron injection in suckling piglets on iron retention and performance before and after weaning." In: Proc. 12th IPVS Cong., August 1992.
⁷ Nielsen, J.P. et al., 2013. Herd diagnosis of iron deficiency in piglets. In: Proc. 5th ESPHM Cong., May 2013
⁸ Walsh, S. et al., (2014). "Effects of an iron dextran injection at weaning on pig's blood hemoglobin status and nursery performance." In: Proc. 45th AASV Cong., March 2014.

⁹ Periodic Safety Update Report (PSUR), MRP renewal. Product: Veterinary iron dextran, solution for injection. Period of reporting: 27.10.2010 – 27.02.2015
¹⁰ NADA 134-708: Uniferon® 200 (Iron Dextran Complex, Injection, 200 mg/ml x 100 ml product)
¹¹ Procedure No. DK/V/0114/01/MR