



**THE  
IDAL®  
WAY**


- Needle-free
- Innovation
- Welfare

# The IDAL WAY: 20 years innovating with and for you

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# A journey we have taken together



**1999**

Launch of Porcilis Begonia ID

**2001**

Launch of Porcilis PRRSV1 for IM or ID administration

**2001**

IDAL is born

**2003**

IDAL as a key tool for the eradication of Aujeszky's disease in the Netherlands and Germany

**2021**

Launch of Porcilis Lawsonia ID and introduction of the new IDAL Way App

**2018**

Introduction of IDAL 3G twin

**2018**

Introduction of IDAL 3G

**2012**

Launch of Porcilis M Hyo ID ONCE

**2018**

Launch of Prime Pac PRRSV2 for IM or ID administration

**2016**

Introduction of IDAL 2G and IDAL 2G App

**2016**

Launch of Porcilis PCV ID

# 20 years protecting millions of piglets around the World



More than **8000 IDAL devices** already offering safe and welfare-friendly vaccination options worldwide



**+8000**  
devices



Hundreds of millions of ID vaccine doses administered



Extensive network of state of the art service centers

# 20 years fulfilling your needs, and the needs of your pigs



## WELFARE

Less pain and stress  
for pigs.



## ANIMAL SAFETY

Reduced risk for iatrogenic  
transmission of pathogens  
between pigs.



## EFFICACY

Quick, effective immune  
response (at least as good  
as with IM vaccination).



## CONVENIENCE

PCV2, M. hyo, and Lawsonia  
vaccinations can be done  
simultaneously with the IDAL  
3G Twin. Consult your vet  
about available combinations.



## USER SAFETY

No needle injuries for  
the user.



## QUALITY

Reduced tissue damage and  
no broken needles in  
the carcass.



## FOOD SAFETY

The injected volume is only  
10% of the total volume of an  
intramuscular vaccine dose  
and the distribution of the  
vaccine is limited to the skin.



# THE IDAL<sup>®</sup> WAY



# 20 years of enhancing piglet welfare

One of the fundamental pillars of animal welfare in production systems is to consider the 3 S's within pain management: **Suppress**, **Substitute**, and **Soften**. By substituting the needle and placing the vaccine in the dermis we are able to:

Generate less tissue damage

Reduce the dose (from 2 ml to 0.2ml)

The pain perception of the animal is reduced.<sup>1</sup>



Fig. 1. (a) Flight reaction in intramuscular (IM) and intradermal (ID) vaccinated piglets (0 = It remains still, 1 = It moves during vaccination after which it remains still, 2 = It continues to fidget even after handling has ceased).<sup>2</sup>  
Fig. 2. (b) Vocalizations of intramuscular (IM) and intradermal (ID) injected piglets during vaccination (0 = No vocalization or short grunts; 1 = repeated grunts and issues no more than 1 scream; 2 = Issues at least two screams).<sup>2</sup>



Intradermal vaccination **did not affect general activity, social behaviour and exploratory behaviour** of the piglets after the injection.<sup>3</sup>



Piglets vaccinated intradermally with the IDAL injector **showed less lying and more suckling behaviour after vaccination** than intramuscularly vaccinated piglets.<sup>4</sup>

**The welfare has also been shown on pregnant sows:** IDAL vaccination is a promising strategy to reduce acute fear and pain reaction of gestating sows during vaccination.<sup>5</sup>

IDAL vaccination may also prevent the acute phase response (skin reaction at POI) and long term muscular damage associated with the injection.<sup>4</sup>

POI: Point of injection

# Our customers talk about their experience with IDAL

Marcio (Brazil) 



*"IDAL gives us a better result, less stressful to the animal, and obviously, therefore, a better performance will result in lower production costs."*

Frans (the Netherlands) 



*"In the sows, you see a lot less stress and they are more relaxed. You aren't running after the sows with your needle. With the piglets, the main advantage is that you work in a hygienic way, without having to change needles all the time."*

Mirco (Italy) 



*"I began using the New IDAL Technology to improve our pig-farming routine. Thanks to the new IDAL technology, we have also changed the vaccination process and, as a result, we have increased the internal biosecurity level. I recommend using IDAL for those who want to reduce the use of antibiotics and to increase biosecurity."*

Jane (Germany) 




*"The new 3G devices are more comfortable and ergonomic to use and the duration of the battery is extremely high compared to the 2G."*

Chris (the Netherlands) 



*"The service is super and the devices are good. These advantages encourage us to use IDAL. We can be confident that the vaccinations are successful when the devices are working fine."*

 **See more in our YouTube channel**  
(MSD Animal Health – Swine Team)

# 20 years and the broadest range of intradermal vaccines



## Porcilis® Lawsonia ID



EU Piglets 1 Dose/0,2mL ID

Mixable with Porcilis PCV ID.

**Onset of immunity:** 4 weeks after vaccination.  
**Duration of immunity:** 21 weeks after vaccination.

## Porcilis® PCV ID



APSA, LATAM, EU Piglets 1 Dose/0,2mL ID

Mixable with Porcilis Lawsonia ID. Concurrent use with Porcilis M Hyo ID Once in a device such as IDAL 3G Twin.

**Onset of immunity:** 2 weeks after vaccination.  
**Duration of immunity:** 23 weeks after vaccination.

## Porcilis® M Hyo ID Once



APSA, LATAM, EU Piglets 1 Dose/0,2mL ID

Concurrent use with Porcilis PCV ID in a device such as IDAL 3G Twin.

**Onset of immunity:** 3 weeks after vaccination.  
**Duration of immunity:** 22 weeks after vaccination.

## Porcilis® PRRS



EU, APSA Piglets 1 Dose/2mL 1 Dose/0,2mL IM ID

**Onset of immunity:** 4 weeks after vaccination.  
**Duration of immunity:** 24 weeks after vaccination.

## Prime Pac® PRRS



APSA, LATAM Piglets 1 Dose/1mL 1 Dose/0,2mL IM ID

**Onset of immunity:** 4 weeks after vaccination.  
**Duration of immunity:** 23 weeks after vaccination.

\* In NA the PRRS vaccine is Prime Pac PRRS RR (IM 1 dose 1 mL)

## Porcilis® Begonia IDAL



APSA, EU Piglets 1 Dose/0,2mL ID

**Onset of immunity:** 3 weeks after vaccination.  
**Duration of immunity:** 4 months after vaccination.

# 20 years providing convenience

Combine\* MSD ID vaccines: the most flexible way to create your own vaccination plan

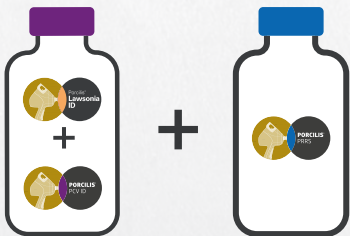
1

**PORCILIS® PCV ID + PORCILIS® LAWSONIA ID**  
WITH  
**PORCILIS® M HYO ID**



2

**PORCILIS® PCV ID + PORCILIS® LAWSONIA ID**  
WITH  
**PORCILIS® PRRS**



\*To be used on an IDAL 3G Twin

\*After approval of associated use with other vaccines





The IDAL Way is safer for users, less stressful for animals, and with the complete unique portfolio of efficacious vaccines specifically designed to be used intradermally.

**The real breakthrough in intradermal vaccination.  
The future is needle-free and the future is now.**



1. Becerra R. et al., Pain indicators comparison in 21 days old piglets via traditional vaccination system versus needle free system (IDAL) in a commercial pig farm. 2020. Chile.
2. Scollo A. et al. Evaluation of pain and stress in three-week old piglets in relation to route of vaccination. Livestock Science. 2020.
3. Temple D. et al. Welfare benefits of intradermal vaccination of piglets. MDPI. 2020.
4. Goller M. et al. Evaluation of welfare aspects in suckling piglets after intradermal vaccine application with the IDAL injector. ESPHM. 2015.
5. Temple D. et al. Effect of the needle free IDAL vaccination on welfare of pregnant sows. Porcine Health Management. 2017.

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