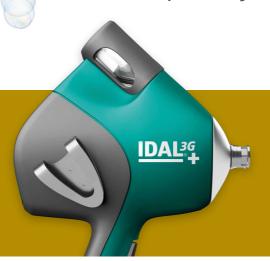
# THE IDAL WAY

Give a plus to your vaccination



















# 20 years: A journey we have taken together

## 1999

Launch of Porcilis Begonia ID

## 2001

Launch of Porcilis PRRSV1 for IM or ID administration

# 2012

Launch of Porcilis M Hyo ID ONCE

# 2001

IDAL is born

# 2003

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

## 2018

Introduction of IDAL 3G twin

### 2018

Introduction of IDAL 3G

## 2021

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

# 2021

Introduction of the IDAL 3G+ line

## 2018

Launch of Prime Pac PRRSV2 for IM or ID administration

## 2016

Launch of Porcilis PCV ID

### 2016

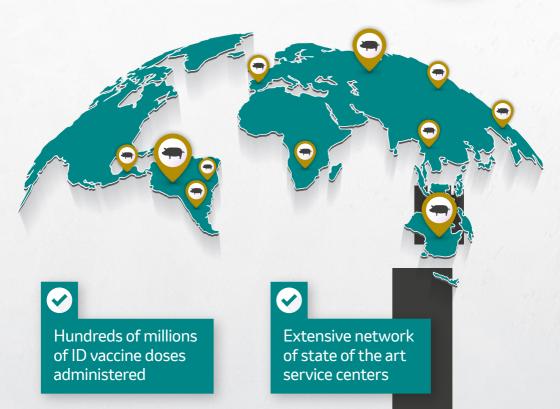
Introduction of IDAL 2G and IDAL 2G App

# 20 years protecting millions of piglets around the World



More than **8,000 IDAL devices** already offering safe and welfare-friendly vaccination options worldwide





# 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

Porcilis<sup>®</sup> Lawsonia ID mixable with PCV ID. Concurrent use with Porcilis<sup>®</sup> M hyo ID ONCE or Porcilis<sup>®</sup> PRRS with the IDAL 3G+ Twin<sup>1</sup>



### **USER SAFETY**

No needle injuries for the user. The trigger avoids involuntary vaccinations



### **OUALITY**

Reduced tissue damage and no broken needles in the carcass



### **FOOD SAFETY**

The injected volume of an ID vaccination is 10% of that of an intramuscular injection dose and the distribution of the vaccine is limited to the skin

"Innovation focused on animal welfare, user comfort and now, also on user experience"



# 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: Supress, Substitute and Soften. By substituting the needle and placing the vaccine in the dermis we are able to:

Generate less tisue damage

The pain perception of the animal is reduced.<sup>2</sup>

Reduce the dose (from 2 ml to 0.2ml)

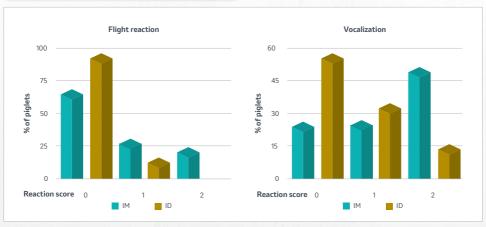


Fig. 1. (a) Flight reaction in intramuscular (IM) and intradermal (ID) vaccinated piglets (0 = It remains still, 1 = It moves during vaccination after which it remains still, 2 = It continues to fidget even after handling has ceased).<sup>3</sup> Fig. 2. (b) Vocalizations of intramuscular (IM) and intradermal (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>3</sup>



Intradermal vaccination **did not affect general activity, social behaviour and exploratory behaviour** of the piglets after the injection.<sup>4</sup>



Piglets vaccinated intradermally with the IDAL injector lay down fewer times and show more suckling behaviour after vaccination than intramusculary vaccinated piglets.<sup>5</sup>

**Increased animal welfare has also been demonstrated on pregnant sows**: IDAL vaccination is a promising strategy to reduce acute fear and pain reaction of gestating sows during vaccination.<sup>6</sup>

IDAL vaccination may also prevent the acute phase response (skin reaction at POI) and long term muscular damage associated with the injection.<sup>5</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."

# 20 years and the broadest range of intradermal vaccines













### Porcilis® Lawsonia ID









alone in a device such as IDAL 3G+ Twin.



1 Dose/0.2mL (D)

Mixable with Porcilis PCV ID. Concurrent use with Porcilis PCV ID mixed with Porcilis Lawsonia ID or

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

### Porcilis® PCV ID







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







Concurrent use with Porcilis PCV ID mixed with Porcilis Lawsonia ID or alone in a device such as IDAL 3G+ Twin.

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

### Porcilis® PRRS













Concurrent use with Porcilis PCV ID mixed with Porcilis Lawsonia ID or alone in a device such as IDAL 3G+ Twin.

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

#### Prime Pac® PRRS





APSA, LATAM







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













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



# Upgraded features



#### Haptic Feedback

IDAL vibrates when it needs attention, so you don't need to proactively look for visual signals



# Low vaccine Warning

When vaccine levels are low, the device will warn you to replace vial



# Multiple sessions

it allows to capture the data of more than one session per day



#### Userfriendly

An improved IDAL menu. It gives you more feedback than before. Using IDAL is easier than ever



### Language Choice Option

English, Spanish, German, Vietnamse, Portuguese





The IDAL Way is safer for users, less stressful for animals, and offers a 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. Horsington J.; Witvliet M.; Jacobs, A.A.C.; Segers, R.P.A.M. Efficacy of Simultaneous Intradermal Vaccination of Swine against Porcine Circovirus 2, Porcine Reproductive and Respiratory Syndrome Virus, Mycoplasma hyopneumoniae and Lawsonia intracellularis. Animals 2021, 11, 2225.
- 2. 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.
- 3. Scollo A. et al. Evaluation of pain and stress in three-week old piglets in relation to route of vaccination. Livestock Science. 2020.
- 4. Temple D. et al. Welfare benefits of intradermal vaccination of piglets. MDPI. 2020.
- 5. Goller M. et al. Evaluation of welfare aspects in suckling piglets after intradermal vaccine application with the IDAL injector. ESPHM. 2015.
- 6. Temple D. et al. Effect of the needle free IDAL vaccination on welfare of pregnant sows. Porcine Health Management. 2017.

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