The IDAL Way Today and Tomorrow

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Confidential

We are present in the main categories of swine vaccines









UP TO 4 AT ONCE

From 1 to 4 immunizations in just 1 administration

Now the vaccination plan can be easily adapted to each farm's needs.

Simultaneous administration of MSD Animal Health's intradermal vaccines to get quadruple protection against major swine pathogens.







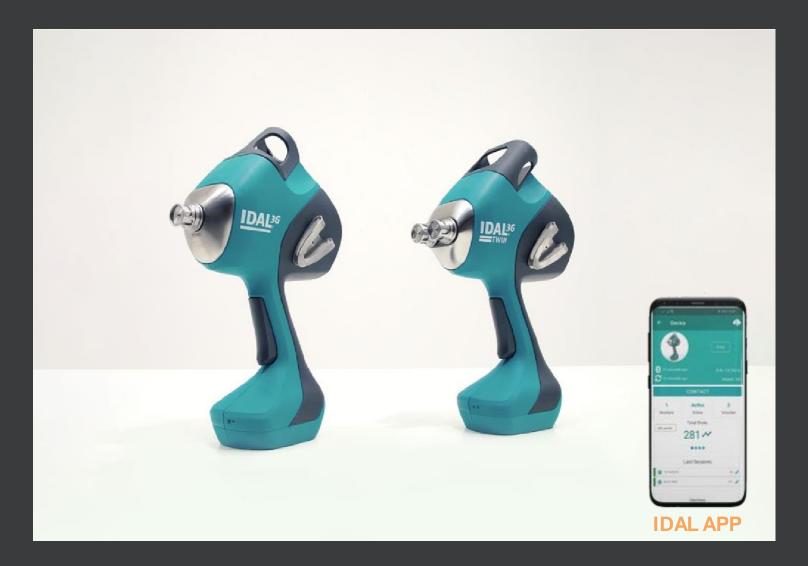


Pillars

+ 20 years of experience

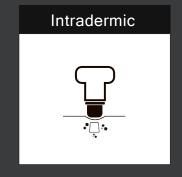
+ 20 years of innovation





FEATURES

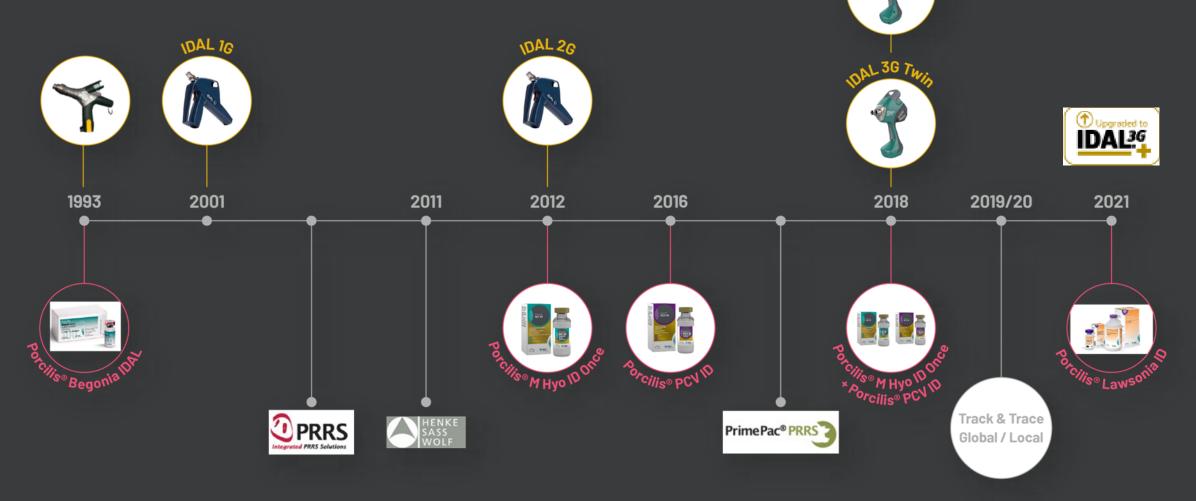








History Overview







IDAL® 3G -> 3G+ 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

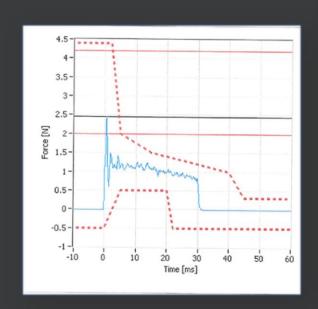






Vaccine Deposition

How deep is the vaccine deposited?



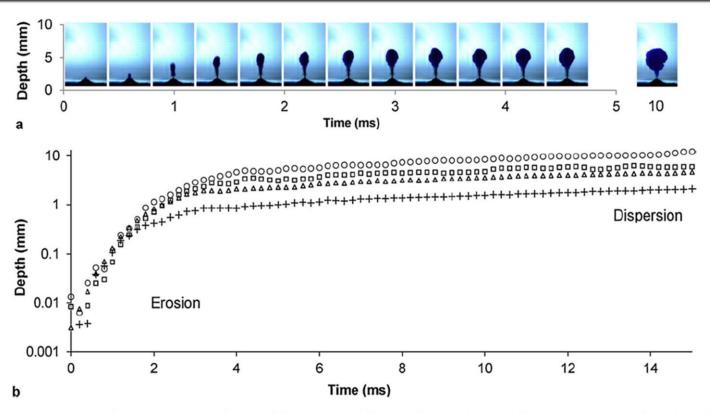


Fig. 4. Injection progress into acrylamide gel at constant jet speed. (a) Frames from a video recording of an injection (400 μs apart, jet speed = 100 m/s); last frame shows dispersion at *t* = 10 ms. (b) Injection progress at various constant jet speeds.





The Importance of the Device For Successful IDLATAM Vaccination



Injecting in the air with IDAL®



Injecting into gelatin with IDAL®





Pillars



More Animal Welfare

Increased security for users



More sustainable and profitable business







Benefits

01. Animal Benefits

02. User Benefits

03. Operating Benefits

04. Environmental Benefits



Animal Benefits







Less pain and stress

HYGIENE



Reduction of the risk of iatrogenic transmission.

ANIMAL SAFETY



Fewer syst emic adverse effects.
Less local reactions / abscesses.

EFFICACY



Better health (Efficiency vaccines -> disease protection).

Better animal care... animal welfare





User Benefits



USER WELL-BEING

USER SAFETY

CONCURRENT USE

FLEXIBILITY









Straight-forward ergonomically designed equipment. Training & support provided. Less stress.

No risk of self-injuries (needle stick)

Sows + piglets M Hyo + PCV + Lawsonia + PRRSV

Less work / faster vaccination



Better user care... cost efficiency



Operating Benefits









Environmental Benefits

Corporate Responsibility

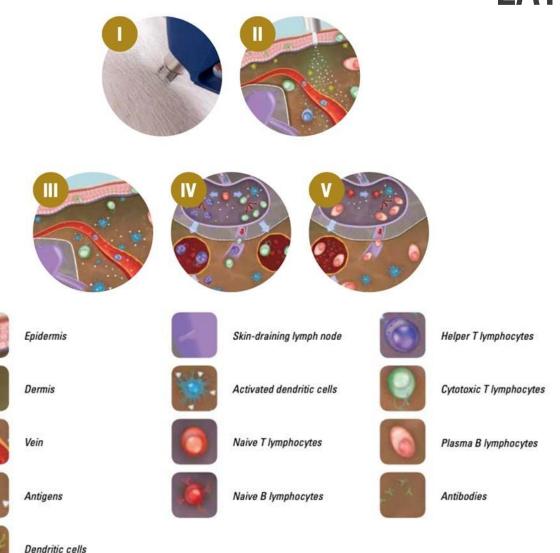






IDAL benefits: efficacy

- High concentrations of specialized cells in the skin respond very quickly and efficiently to vaccine antigens.
- ID vaccination stimulates an immune response as efficient or better as following IM administration.









IDAL benefits: safety and food quality



- Pig safety
- Fewer adverse systemic events
- Food safety and quality
- Less risk for muscle damage:
 - Injected volume = 0.2 ml
 - Distribution of the vaccine limited to the skin



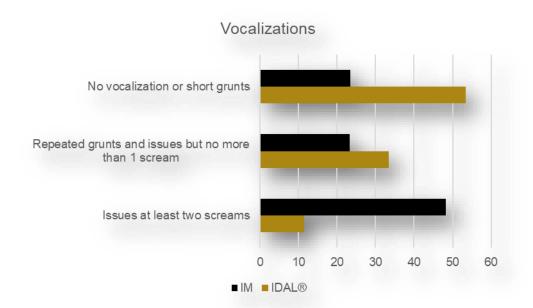


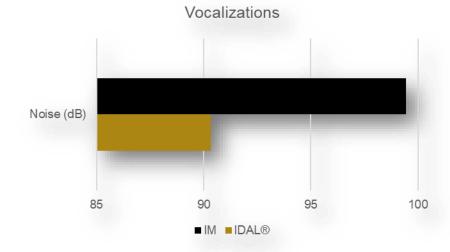
IDAL Welfare Comparisons

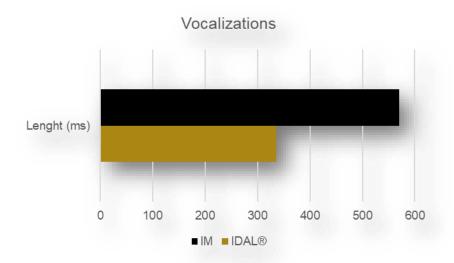


IDAL benefits: welfare

- Less stress
- Reduced fear and pain at time of injection
- Lower behavioral aversive responses





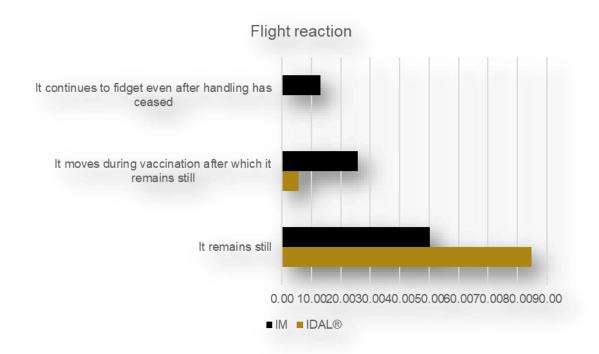


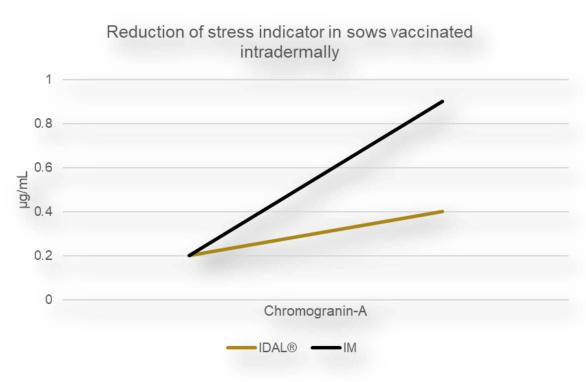






IDAL benefits: welfare



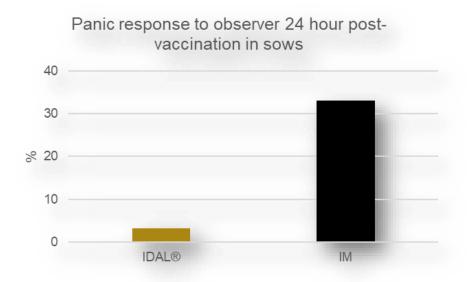




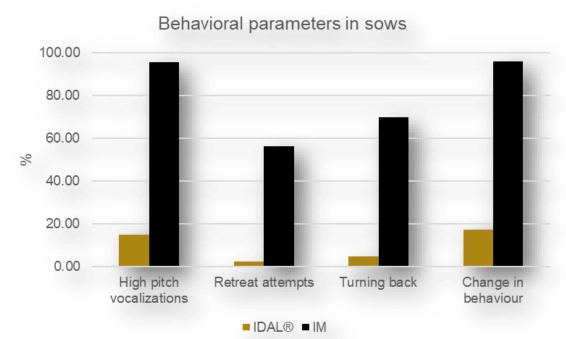




IDAL benefits: welfare



- Less fear response to assessor 24 h post-vaccination
- Increased general activity in sows
- No behavioral differences in piglets



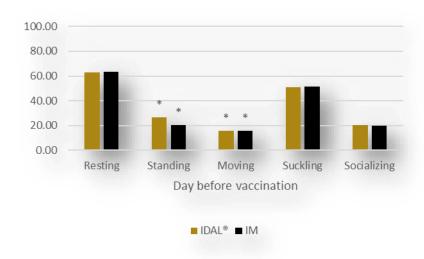


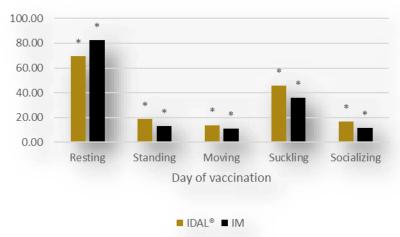


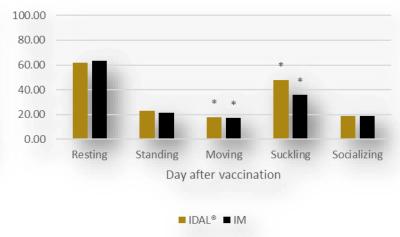


IDAL benefits: welfare

Behavioral parameters in piglets









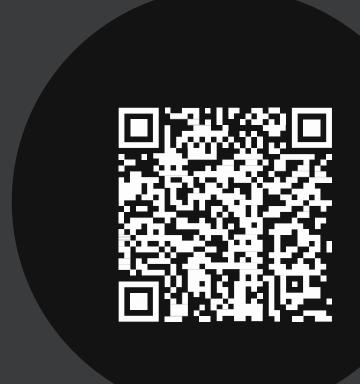


^{*} Indicates a significant difference (p < 0.05).

The future is needle-free.







Scan the QR for more information





Thank you!

Rika Jolie and Michael Swern PUERTO VALLARTA (MEXICO) | AUGUST 2023



