Porcilis® PRRS
Over 20 years of letting
pigs be pigs

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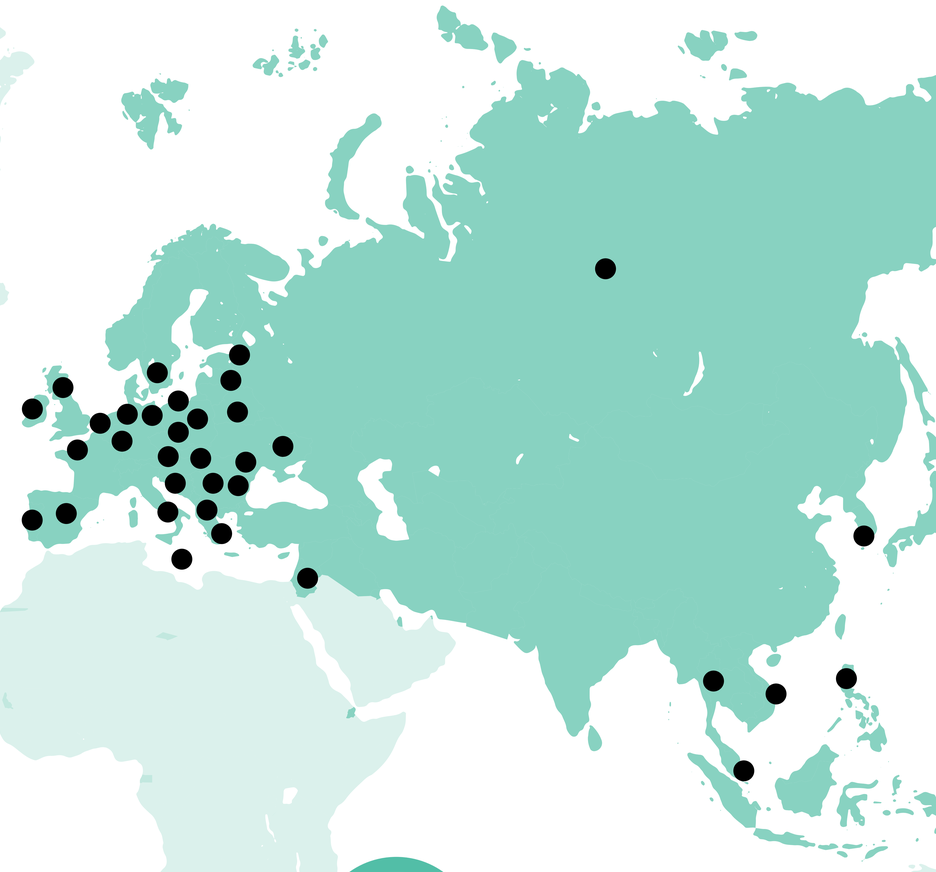
Our values drive us

MSD Animal Health is committed to the well-being of swine and the sustainability of pig farms. Our goal is to support pig health, farmer livelihoods, and responsible practices.

From piglets to sows, our health solutions ensure the overall success and profitability of pig farms while safeguarding animal welfare.

The path that brought us here



1987

The first case of PRRS was documented in the U.S.

1992

The disease was reported in Canada, Great Britain, and several European countries, in addition to the U.S.

2001

Release of Porcilis®PRRS, the first vaccine against PRRSV1, the European strain of the virus.

2005

The IDAL system was implemented to improve animal welfare.

2023

Present in 36 countries and protecting over 50,000,000 animals per year.

Porcilis® PRRS represents our core values

1. **To be collaborative and work closely with all industry stakeholders.**

   In the 20 years since the release of Porcilis®PRRS, we have provided technical veterinary services to countless herds, helping them rein in PRRS and improving their productivity.

2. **To be dynamic and adapt to the new challenges faced by the industry.**

   Our Porcilis®PRRS vaccine has been instrumental in the control of new, highly pathogenic PRRS strains.

3. **To be visionary and help steer the industry towards a more sustainable future.**

   By introducing the IDAL system, we showed its commitment to meaningful innovation that protects animal welfare, producer livelihood and food security.

4. **To be responsible, to provide our customers not only medicines, but solutions.**

   We took the lead and released the first PRRSV1 vaccine and developed the first vaccine for intramuscular and intradermal administration.

What's inside a vial of Porcilis®PRRS?

Adjuvant:

dl-α-tocopheryl acetate
(75 mg/ml)

Pharmaceutical form:

lyophilisate

Active substance:

Live attenuated PRRS
virus strain DV

Shelf life:

2 years

Viral load:

$10^{4.0}$ – $10^{6.3}$
TCID50

Solvent:

Diluvac Forte
(in a separate vial)*

Presentation:

Porcilis® PRRS vials
available with 10, 25,
50, and 100 doses

Benefits of using Porcilis®PRRS?

1. **Can be mixed with certain vaccines.**
2. **Improves animal welfare.**
3. **Reduces PRRS clinical signs.**
4. **Improves reproductive performance** in breeding pigs.
5. Induces systemic and mucosal **neutralising antibodies.**
6. **Reduces viremia.**
7. **Lowers transmission rate.**
8. **Lowers viral load** in serum and broncheoalveolar lavage fluid.
9. Reduces the economic loss in finishing pigs and **increases farm productivity.**
10. Vaccinating both piglets and sows **maximises protection for the whole herd.**
11. **Control of virus recirculation pressure.**

The cost of PRRS

€75,724 to **€650,090**

per year, per farm housing 1000 sows, depending on the severity and groups affected.

12% to **77%**

of profits lost to PRRS, depending on severity and groups affected.

Nathues, H., Alarcon, P., Rushton, J., Jolie, R., Fiebig, K., Jimenez, M., ... & Nathues, C. (2017). Cost of porcine reproductive and respiratory syndrome virus at individual farm level–an economic disease model. Preventive Veterinary Medicine, 142, 16-29. https://doi.org/10.1016/j.prevetmed.2017.04.006

PRRS is the most economically significant diseases of pigs worldwide.

However, because it affects so many aspects of pig production, it is challenging to estimate the costs precisely.

These figures are based on an economic and epidemiological model that considers different disease scenarios in a prototypical farm with 1000 sows in production.

Why choose Porcilis®PRRS?

1. **Controls PRRS** – Improves animal's quality of life – For a job well done.
2. Can be used in: **piglets & sows.**
3. **Increased farm productivity and animal welfare.**
4. Can be used as: **IDAL & IM.**

IDAL & Porcilis®PRRS

The most advanced way to protect pigs from PRRS, since 2001.

IDAL is a needle-free injector, which is developed to administer a fixed low vaccine dose in the skin of the pig.

IDAL benefits:

Welfare

Less pain and stress for the pig.

Pig Safety

No more transmission through fomites or contaminated needles.

User Safety

No more needle injuries or accidental injections.

Quality

Reduced tissue damage and no more broken needles in the carcass.

Pigs vaccinated with IDAL vs IM injection

▼1.3%
mortality in the fattening period.

▲54g
ADWG

▼36.4%
antibiotic use.

▼7%
lung lesions.

Porcilis®PRRS vaccination scheme

Breeder Vaccination

There are two vaccination schemes: 2-4 weeks before mating or every 4 months to maintain a homologous level of immunity. However, gilts should be vaccinated before their first pregnancy.

Piglet Vaccination

Pigs can be vaccinated as early as 2 weeks of age, though interference from maternal antibodies is possible. Piglets can be concurrently vaccinated as early as 4 weeks of age depending on the vaccine.

CAUTION!

There are situations where Porcilis®PRRS should not be used:

- Herds where the presence of PRRSV1 has not been established through reliable diagnostic methods.
- PRRS-free herds.
- Pregnant sows and gilts that have had no previous exposure to PRRSV, since there is the risk of PRRS clinical signs.
- Herds where serological testing is part of the PRRS elimination program, since there is no marker vaccine for PRRS (a vaccine that allows tests to discriminate between natural infection and vaccine antibodies).
- Boars that produce semen for seronegative herds.
- Pigs can shed the vaccine virus up to 5 weeks after vaccination, so recently vaccinated pigs should not be in contact with virus-naïve pregnant gilts or sows, boars that produce semen for seronegative herds, or any group that should remain seronegative for elimination purposes.

Porcilis®PRRS and the future

With the combined expertise of our team, farmers, and veterinarians around the world, we are reducing the impact of PRRS while gradually guiding the industry towards animal welfare and increase in productivity in farms all over the world.

On the way there, there is much room for innovation, and we are committed to work with farmers and vets around the world to achieve the best solution for all. Even if PRRS elimination seems like a faraway goal, it is achievable. We are already taking meaningful steps towards a better pig industry, one that focuses on animal welfare while addressing farmers' and veterinarians' concerns.

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