

ANIVAC®

SAN
VET



DIAGNOSTICS AND CUSTOM-MADE VACCINES

SWINE

CMV: CUSTOM-MADE VACCINES

IMPROVING HEALTH, REDUCING ANTIBIOTIC TREATMENTS

Vaccinations are essential for pig farming and contribute to the maintenance and improvement of the health of animals.

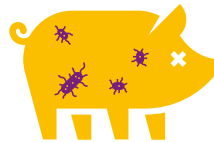
Custom-made vaccines (also known as autogenous vaccines) are tools that help to prevent specific diseases in pigs and can complement licensed products. Using custom-made vaccines is an effective solution when no commercially licensed product is available for a specific pathogen strain or serotype and are a favourable alternative to using antibiotics.

Custom-made vaccines can stimulate an effective immune response in animals, which protects them.

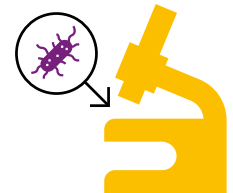
Herd conditions may change constantly because a number of pathogens are able to mutate and change their properties, thereby quickly escaping the prophylactic scope of existing vaccines. Custom-made vaccine concepts offer the possibility to quickly react to these changes by using most actual isolates from the target farm, its epidemiological unit or epidemiologically linked farms starting with the next batch.

PRODUCTION PROCESS

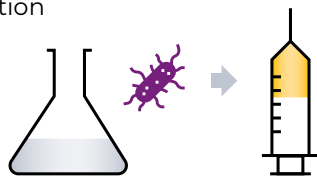
1 Viral and bacterial pathogens weaken the animal.



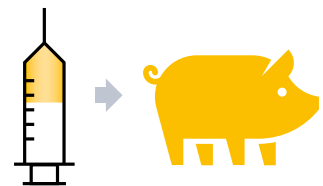
2 Identification of the pathogen from tissue or sampling of the infected animal.



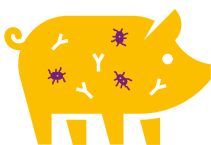
3 Checking whether there is a vaccine for that indication authorized. If not, prescription and manufacturing of a CMV.



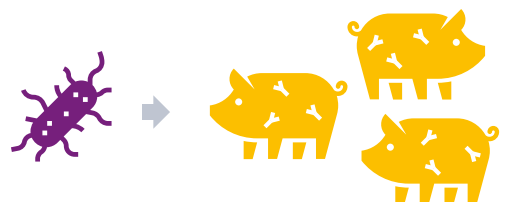
4 Treatment with the CMV according to the advised vaccination schedule.



5 After treatment the animal forms antibodies against the pathogen.



6 Vaccine reduces morbidity from field infection.



DIAGNOSTICS AND CUSTOM-MADE VACCINES FROM A SINGLE SOURCE



The SAN Group Biotech Germany campus features a new plant for custom-made vaccines, unique in the EU.



Targeted sampling in pathology



Production of viral, bacterial and mycoplasma vaccines



State-of-the-art technology for vaccine production



For further information on diagnostic services and custom-made vaccines please contact our veterinarians:

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We at **SAN Vet** regard ourselves as a competent and reliable partner in the field of animal health.

ANICON

Veterinary diagnostics & services
(Accreditation ISO 17025)

- Pathology
- Cultural bacteriology
- Cultural virology
- Serology
- PCR and sequencing

ANIVAC

Autogenous vaccines

- Poultry
- Swine
- Cattle
- Sheep
- Goats
- Fish

KYLT

In-vitro diagnostic products

- Kylt® Real-Time (RT-) PCR-Kits
- Kylt® Purification Products

LM-TECH

Feed- & food diagnostics
(Accreditation ISO 17025)

Examination of feed and food, drinking water for animals and humans.

- Microbiological / chemical analysis
- Molecular / immunological analysis
- Histology
- Quality management & consulting



SAN Vet ist Ihr kompetenter und verlässlicher Partner im Bereich Tiergesundheit.

ANICON

Veterinärdiagnostik & Services
(Akkreditierung ISO 17025)

- Pathologie
- Kulturelle Bakteriologie
- Kulturelle Virologie
- Serologie
- PCR und Sequenzierung

ANIVAC

Bestandsspezifische Impfstoffe

- Geflügel
- Schwein
- Rind
- Schaf
- Ziege
- Fisch

KYLT

In-vitro Diagnostikprodukte

- Kylt® Real-Time (RT-) PCR-Kits
- Kylt® Aufreinigungskits

LM-TECH

Futter- und Lebensmitteldiagnostik
(Akkreditierung ISO 17025)

Prüfung von Futter- und Lebensmitteln, Trink- und Tränkewasser

- Mikrobiologische / chemische Prüfungen
- Molekularbiologische / immunologische Prüfungen
- Histologie
- Qualitätsmanagement & Beratung
- Gegengutachten



SAN Vet es un colaborador competente y fiable en el sector de salud animal.

ANICON

Diagnóstico y servicios veterinarios
(Acreditación ISO 17025)

- Patología
- Cultivos bacteriológicos
- Cultivos virales
- Serología
- PCR y secuenciación

ANIVAC

Vacunas autógenas

- Aves
- Cerdos
- Vacas
- Oveja
- Cabra
- Peces

KYLT

Productos de diagnóstico in-vitro

- Kylt® Real-Time (RT-) PCR-Kits
- Kylt® Productos de purificación

LM-TECH

Diagnóstico de piensos y alimentos
(Acreditación ISO 17025)

Pruebas de productos alimenticios / piensos, agua potable

- Pruebas microbiológicas / químicas
- Pruebas de biología molecular / inmunológicas
- Histología
- Gestión y asesoramiento de calidad



SAN Vet est votre partenaire compétent et fiable dans le domaine de la santé animale.

ANICON

Diagnostic vétérinaire et services
(Accréditation ISO 17025)

- Pathologie
- Bactériologie de culture
- Virologie de culture
- Sérologie
- PCR et séquençage

ANIVAC

Vaccins autogènes

- Volaille
- Cochon
- Bovin
- Mouton
- Chèvre
- Poisson

KYLT

Produits de diagnostic in-vitro

- Kylt® Real-Time (RT-) PCR-Kits
- Kylt® Produits de purification

LM-TECH

Sécurité des produits alimentaires
(Accréditation ISO 17025)

Test des produits alimentaires et de l'eau pour consommation humaine / animale

- Tests microbiologiques / chimiques
- Tests de biologie moléculaire / immunologiques
- Histologie
- Gestion de la qualité et service de conseil



POLYVALENT PRODUCTS

Antigen combinations are possible

ADJUVANTS

- Aluminiumhydroxide
- Mineral oil

VOLUME PER DOSE

- 1-5 ml per animal

BOTTLE SIZES

- 100 ml
- 300 ml
- 500 ml

We offer innovative custom made vaccines for sows, gilts, piglets and fattening pigs including the following antigens:

BACTERIAL ANTIGENS INCL. MYCOPLASMA

- Actinobacillus
- Bordetella
- Brachyspira
- Clostridioides difficile
- Clostridium perfringens
- Enterococcus
- Erysipelothrix rhusiopathiae
- Escherichia coli
- Glaeserella parasuis
- Mycoplasma hyosynoviae
- Mycoplasma hyorhinis
- Pasteurella
- Salmonella
- Staphylococcus
- Streptococcus
- Trueperella abortusis
- Trueperella pyogenes

VIRAL ANTIGENS

- Encephalomyocarditisvirus
- Influenzavirus
- Rotavirus
- Teschovirus (PEV)



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