

# CUSTOM MADE VACCINES

• FOR SWINE •

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**Ani***on*

# CMV – CUSTOM MADE VACCINES

## improving health, reducing antibiotic treatments

Vaccinations are essential for pig-keeping since they maintain and enrich the health status of the animals.

Custom made vaccines are specific options to help prevent diseases in swine and can be an excellent complement to 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.

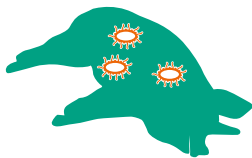
Custom made vaccines stimulate animals to form an effective immune protection.

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

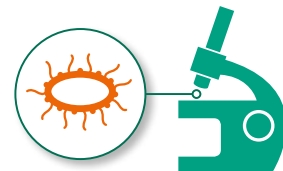
#### • Step 1

Viral and bacterial pathogens weaken the animal



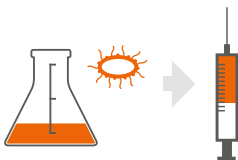
#### • Step 2

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



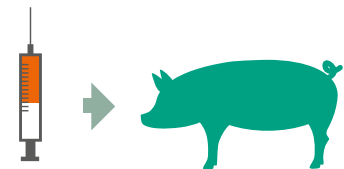
#### • Step 3

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



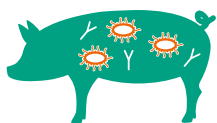
#### • Step 4

Treatment with the CMV according the advised vaccination schedule



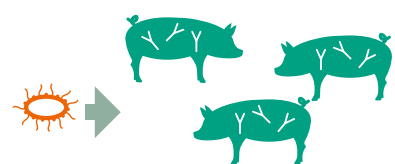
#### • Step 5

After treatment the animal forms antibodies against the pathogen



#### • Step 6

Vaccine reduces morbidity from field infection





## CUSTOM MADE VACCINES

Tailor made protection for your swine herd

**Polyvalent products:** Combinations are possible

**Adjuvants:** Aluminiumhydroxide, Mineral Oil

**Volume per Dose:** by individual order

**Bottle sizes:** 100 ml, 300 ml or 500 ml

**Our list of products includes vaccines for swine against the following antigens:**

### Bacterial Antigens

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

### Viral Antigens

- Encephalomyocarditisvirus
- Influenzavirus
- Rotavirus
- Teschovirus (PEV)

**AniVoc**





AniCon Campus with the new state of the art vaccine production facility for custom made vaccines.



*Targeted sampling to obtain invasive isolates is crucial for vaccine efficacy later-on*



*Production of viral, bacterial and Mycoplasma vaccines*



*Up-to-date technologies are used in vaccine production*

## One-stop diagnostic service and custom made vaccine production

For more information please contact our swine veterinarians:

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 We at **AniCon** regard ourselves as a competent and reliable partner in the field of animal health and food safety.

#### **Diagnostic Services (Accreditation ISO 17025)**

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

#### **Diagnostic Kits**

- Kylt® Real-Time (RT-) PCR-Kits


#### **Custom-Made-Vaccines for Livestock**

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

#### **Food Safety (Accreditation ISO 17025)**

Examination of food/-of animal feed/drinking water/-for animals

- Microbiological /chemical analysis
- Molecular /Immunological analysis
- Histology
- Quality Management & Consulting

 **AniCon** ist Ihr kompetenter und verlässlicher Partner in den Bereichen Tiergesundheit und Lebensmittelsicherheit.

#### **Diagnostische Dienstleistungen (Akkreditierung ISO 17025)**

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

#### **In Vitro Diagnostika**

- Kylt® Real-Time (RT-) PCR-Kits


#### **Bestandsspezifische Impfstoffe für Nutztiere**

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

#### **Lebensmittelsicherheit (Akkreditierung ISO 17025)**

Prüfung von Lebens-/Futtermitteln, Trink-/Tränkekwasser

- Mikrobiologische / Chemische Prüfungen
- Molekularbiologische / Immunologische Prüfungen
- Histologie
- Qualitätsmanagement & Beratung
- Gegengutachten

 **AniCon** es un colaborador competente y fiable en los sectores de salud animal y seguridad alimentaria.

#### **Servicios de diagnóstico (Acreditación ISO 17025)**

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

#### **Diagnósticos in vitro**

- Kylt® Real-Time (RT-) PCR-Kits


#### **Vacunas específicas para animales destinados al consumo**

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

#### **Seguridad alimentaria (Acreditación ISO 17025)**

Pruebas de productos alimenticios/piensos, agua potable

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

 **AniCon** est votre partenaire compétent et fiable dans les domaines de la santé animale et de la sécurité des produits alimentaires.

#### **Services de diagnostic (Accréditation ISO 17025)**

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

#### **Diagnostics in vitro**

- Kylt® Real-Time (RT-) PCR-Kits

#### **Vaccins spécifiques à chaque élevage pour les animaux d'exploitation**

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

#### **Sécurité des Produits Alimentaires (Accréditation ISO 17025)**

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

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



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