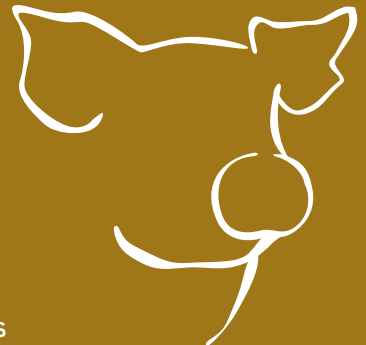


::DIAGNOSTIC SERVICES

.....



for veterinarians



:: Providing personal and intensive support is important to us

Vaxxinoa Diagnostics GmbH · Deutscher Platz 5e · 04103 Leipzig · Germany
www.vaxxinoa-diagnostics.de



Dr. Bernd-Andreas Schwarz

Head of Vaxxinoa Diagnostics

Veterinary specialist
for virology

T +49 (0) 341 / 463 798 54

bernd-andreas.schwarz@vaxxinoa-diagnostics.de
[@vaxxinoa-diagnostics.de](https://www.instagram.com/vaxxinoa-diagnostics.de)



Dr. Daniel Piehler

Diagnostics Team Leipzig

Veterinary specialist
for immunology, bact. & mycol.

T +49 (0) 341 / 463 798 53

daniel.piehler@vaxxinoa-diagnostics.de
[@vaxxinoa-diagnostics.de](https://www.instagram.com/vaxxinoa-diagnostics.de)



Dr. Ulrike Ripp

Diagnostics Team Leipzig

Veterinary specialist
for bacteriology and mycology

T +49 (0) 341 / 463 798 51

ulrike.ripp@vaxxinoa-diagnostics.de
[@vaxxinoa-diagnostics.de](https://www.instagram.com/vaxxinoa-diagnostics.de)



Dr. Christiane Maul

Diagnostics Team Leipzig

Veterinary specialist
for bacteriology and mycology

T +49 (0) 341 / 463 798 52

christiane.maul@vaxxinoa-diagnostics.de
[@vaxxinoa-diagnostics.de](https://www.instagram.com/vaxxinoa-diagnostics.de)



Franziska Engel

Diagnostics Team Leipzig

Veterinarian

T +49 (0) 341 / 463 798 55

franziska.engel@vaxxinoa-diagnostics.de
[@vaxxinoa-diagnostics.de](https://www.instagram.com/vaxxinoa-diagnostics.de)

Customer Service

T +49 (0) 341 / 463 798 50 · F +49 (0) 341 / 463 798 58 · leipzig@vaxxinoa-diagnostics.de

:: Vaxxinoa Diagnostics business hours

You can contact us from Monday to Friday at our business hours 8.00 till 18.00 o'clock. Additionally, we offer you the possibility to deposit your samples in our sample cooler in the parking courtyard of the Bicity Leipzig. We look forward to describe the way to the cooler to you via phone or email. Please be aware, that the sample package shouldn't be larger than 35 x 20 x 20 cm.

Vaxxinoa Diagnostics offers you a large diagnostic portfolio since 2012. Our laboratory is accredited according to DIN EN ISO/IEC 17025. Examinations that do not fall under the specifications of the national accreditation authority are accordingly labelled. We can provide the list of accredited examinations to you in advance.

:: Sample transport / Courier services

When you submit samples to us, they will be received by our friendly office staff who will also be your point of contact for any queries. Submission forms can be downloaded from our website www.vaxxinoVA-diagnostics.de. On our website, you find our current offer of all examinations in the navigation area "diagnostic services".

Please send your samples to:

VaxxinoVA Diagnostics GmbH · Deutscher Platz 5e · 04103 Leipzig · Germany

If you have any questions, please contact us at T +49 (0) 341 463 79 8 50.

Please find below an exemplary list of couriers that deliver diagnostic samples to VaxxinoVA Diagnostics: UPS, DHL, FedEx, TNT.

When sending by courier it should be explained that the sample is for routine diagnostic testing and is non-hazardous. Please check your national regulations for the labeling of packages.

Guidelines for packaging your samples:

- Ensure the sample is sealed securely and wrapped in cotton wool or paper towel.
- Enclose the sample in a small rigid container that prevents leakage.
- Ensure all the details are filled out on the submission form
(who gets reports, invoice; examinations).
- Put the box, submission form and payment information inside a padded envelope.

:: Other services

Forwarding of isolates (per isolate)

Forwarding of isolates (any additional isolate)

Forwarding of sample material



:: Serology (antibodies)

- Actinobacillus pleuropneumoniae (APP)**
Screening
- Actinobacillus pleuropneumoniae (APP)**
ApxIV – antibodies
- Actinobacillus pleuropneumoniae (APP)**
Serotype 1/9/11
- Actinobacillus pleuropneumoniae (APP)**
Serotype 2
- Actinobacillus pleuropneumoniae (APP)**
Serotype 3/6/8
- Actinobacillus pleuropneumoniae (APP)**
Serotype 4/7
- Actinobacillus pleuropneumoniae (APP)**
Serotype 5
- Actinobacillus pleuropneumoniae (APP)**
Serotype 10
- Actinobacillus pleuropneumoniae (APP)**
Serotype 12
- African swine fever virus (ASFV)**
- Brucella spp.**
Rose-Bengal-Test (RBT)
- Brucella spp.**
INgezim BRUCELLA COMPAC 2.0
- Erysipelothrix rhusiopathiae (erysipelas)**
Screening
- Erysipelothrix rhusiopathiae (erysipelas)**
Quantitative (titre)
- Glaesserella parasuis (GPS)**
- OppA
- Hepatitis E virus (HEV)**

:: Serology (antibodies)

Influenza A virus	.....
Screening, early detection	
Influenza A virus	.....
Oral fluid	
Influenza A virus	.....
Subtype H1N1 (HAI)	
Influenza A virus	.....
Subtype H3N2 (HAI)	
Influenza A virus	.....
Subtype H1N2 (HAI)	
Influenza A virus	.....
Pandemic subtype H1N1 (HAI)	
Classical swine fever virus (CSFV)	.....
Lawsonia intracellularis	.....
Leptospira serovars	.....
MAT – each serovar	
Mycoplasma hyopneumoniae	.....
Screening	
Mycoplasma hyopneumoniae	.....
Confirmation test	
Porcine circovirus type 2 (PCV-2)	.....
Biocheck, quantitative (titre)	
Porcine circovirus type 2 (PCV-2)	.....
IgG/IgM	
Porcine epidemic diarrhoea virus (PEDV)	.....
Porcine respiratory coronavirus (PRCV)	.....
Porcine parvovirus (PPV)	.....
Quantitative (titre)	



:: Serology (antibodies)

PRRSV
IDEXX X3

PRRSV
INgezim PRRS Blue

PRRSV
Biochek

PRRSV
Oral fluid

Salmonella LPS

Entry into QS-database

Subsequent entry to QS-database
Processing fee

Sarcoptes scabiei var. suis

Suid Herpesvirus 1 (SuHV-1, Aujeszky's disease)
gB (Screening non-vaccinated)

Transmissible gastroenteritis virus (TGEV)

Trichinella spiralis

Swine vesicular disease virus (SVDV)

::Serology - Profiles & Panels

PROFILE Actinobacillus pleuropneumoniae (APP)

serotyping

- Serotype 1/9/11
- Serotype 2
- Serotype 3/6/8
- Serotype 4/7
- Serotype 5
- Serotype 10
- Serotype 12

PROFILE Influenza A virus

subtyping (HAI)

- Subtype H1N1
- Subtype H1N2
- Subtype H3N2
- Pandemic Subtype H1N1

PROFILE Leptospira

serotyping (MAT)

- Leptospira Bratislava
- Leptospira Pomona
- Leptospira Tarassovi

Upon request, other serovars can be examined.

Please ask us for your own personalised Profile & Panel.



:: PCR (detection of nucleic acid)

Actinobacillus pleuropneumoniae (APP)	.....
African swine fever virus (ASFV)	.....
Brachyspira hampsonii	.....
Brachyspira intermedia	.....
Brachyspira hyodysenteriae / pilosicoli	.....
Bordetella bronchiseptica	.....
Chlamydia spp.	.....
Chlamydia spp.	.....
Differentiation (C. suis, C. pecorum, C. abortus, C. psittaci)	
Clostridioides difficile	.....
Cystoisospora suis	.....
Erysipelothrix rhusiopathiae (erysipelas)	.....
incl. Differentiation (E. rhusiopathiae, E. tonsillarum, E. sp. strain 2)	
E. coli F4, F18, Stx2e PCR	.....
Glaesserella parasuis (GPS)	.....
Hepatitis E virus (HEV)	.....
Influenza A virus	.....
Influenza A virus subtyping	.....
H1N1, H1N2, H3N2, H1panN1 and H1panN2	
Classical swine fever virus (CSFV)	.....
Lawsonia intracellularis	.....
Leptospira spp.	.....
pan Mycoplasma spp.	.....
Mycoplasma hyopneumoniae	.....
Mycoplasma hyorhinis	.....
Mycoplasma hyosynoviae	.....
Mycoplasma suis	.....
EDTA-blood	
Pasteurella multocida	.....
species, w/o detection of toxin	
Pasteurella multocida	.....
toxA gene	

:: PCR (detection of nucleic acid)

Porcine circovirus type 1 (PCV-1)*	.....
Porcine circovirus type 2 (PCV-2)	.....
Semi-quantitative (ct-value)	.....
Porcine circovirus type 2 (PCV-2)	.....
Quantitative (amount of genome equivalents)	.....
Porcine circovirus type 2 (PCV-2)*	.....
Sequencing	.....
Porcine circovirus type 2 (PCV-2)	.....
Genotyping – PCV-2A, 2B, 2D	.....
Porcine circovirus type 3 (PCV-3)	.....
Porcine coronavirus (TGEV, PEDV, delta coronavirus)	.....
Porcine cytomegalovirus (PCMV)	.....
Porcine parvovirus (PPV)	.....
Porcine respiratory coronavirus (PRCV)	.....
Porcine teschovirus/sapelovirus	.....
PRRSV	.....
Genotype 1 (EU), genotype 2 (US)	.....
PRRSV vaccine strains	.....
MSD Porcilis PRRS, Boehringer PRRSflex EU	.....
PRRSV sequencing*	.....
ORF 5 (other ORF's upon request)	.....
Rotavirus A and C	.....
Rotavirus B	.....
Salmonella enterica	.....
All serovars	.....
Streptococcus suis	.....
Suipoxvirus (swinepox)	.....
Yersinia enterocolitica	.....
Sequencing in general	.....
Comparison of sequence /alignment	.....



:: PCR - Profiles & Panels

PROFILE abortion

Chlamydia spp. – PCR
Leptospira spp. – PCR
Porcine Circovirus type 2 (PCV-2) – PCR
Porcine Parvovirus (PPV) – PCR
PRRSV – PCR

Other pathogens of abortion can be tested upon request, i.e. Salmonella, Teschovirus

PROFILE arthritis/serositis

Glaesserella parasuis
Mycoplasma hyorhinis
Mycoplasma hyosynoviae
Streptococcus suis

PROFILE Brachyspira/Lawsonia

Brachyspira hyodysenteriae
Brachyspira pilosicoli
Lawsonia intracellularis

PROFILE RespiBAK

Actinobacillus pleuropneumoniae
Glaesserella parasuis
Mycoplasma hyopneumoniae

PROFILE RespiVIR

Influenza A Virus
Porcine Circovirus Typ 2 (PCV-2)
PRRSV (EU/ US)

PROFILE RespiDELUXE (RespiBAC & RespiVIR)

PROFILE PCV-2/PCV-3

Porcine Circovirus type 2 (PCV-2)
Porcine Circovirus type 3 (PCV-3)

PROFILE Rota-/Coronavirus

Porcine Coronavirus (TGEV, PEDV, PDCoV)
Rotavirus A and C

PROFILE Oral Fluid Add-on

Porcine circovirus type 2 (PCV-2)
Glaesserella parasuis, Lawsonia intracellularis

Please ask us for your own personalised Profile & Panel.

:: Next Generation Sequencing*

PRRSV full genome sequencing
Influenza full genome sequencing
Rotavirus A full genome sequencing
Analysis of microbiome (viruses, bacteria, parasites)

:: Bacteriology

Basic methods

Bacteriological examination
 Material-dependant cultures
Identification
Antimicrobial susceptibility testing (AST)
 Broth microdilution (MIC), aerobic bacteria
Antimicrobial susceptibility testing (AST)
 Broth microdilution (MIC), anaerobic bacteria
Identification of submitted isolates
Subculture for typing

Methods of specific pathogens

Culture for Brachyspira spp.*
Identification of Brachyspira spp. (PCR)
Culture for Mycoplasma spp.
Identification of Mycoplasma spp. (PCR)
Culture for Salmonella spp.



:: Pathogen typing

Actinobacillus pleuropneumoniae (APP) typing – PCR

Serotypes 1 – 18

Clostridium perfringens typing – PCR

Alpha-toxin
Beta-toxin
Beta2-toxin
Epsilon-toxin
Iota-toxin
Enterotoxin

Clostridium perfringens toxin production – ELISA

Alpha-toxin detection

Clostridioides difficile typing – PCR

Enterotoxin A
Cytotoxin B
Binary toxin

E. coli virulence marker – PCR

Fimbrial antigen F4
Fimbrial antigen F5
Fimbrial antigen F6
Fimbrial antigen F18
Fimbrial antigen F41
Heat-stable toxin I (ST I)
Heat-stable toxin II (ST II)
Heat-labile toxin (LT)
Shiga toxin (Stx2e)
fimA, fimH (type-1-fimbriae)
Enteroaggr. heat-stable enterotoxin 1 (EAST-1)
Adhesin involved in diffuse adherence (AIDA)
Porc. attaching-effacing assoc. protein (pAA)

Fourier-Transformation-Infrared-(FT-IR) Spectroscopy

per isolate

FT-IR Spectroscopy - interpretation and report charge

per report

:: Pathogen typing

Glaesserella parasuis (GPS) typing – PCR

Serotypes 1-15

Glaesserella parasuis (GPS) typing – PCR

Virulence potential

PROFILE Glaesserella parasuis – PCR

Serotypes 1-15 and virulence potential

Pasteurella multocida Toxin

toxA gene

Salmonella sp. serovar typing*

Agglutination / Kauffmann-White classification

Staphylococcus aureus typing – PCR

MRSA (mecA)

Staphylococcus hyicus /chromogenes typing – PCR

Exfoliative toxin A

Exfoliative toxin B

Exfoliative toxin C

Exfoliative toxin D

Exfoliative toxin shetB

Streptococcus suis typing – PCR

Serotypes 1-21

Virulence-associated factors: epf, mrp, sly

Streptococcus suis typing – PCR

Pathogenicity potential

PROFILE Streptococcus suis typing and pathogenicity potential – PCR

Serotypes 1-21

Virulence-associated factors: epf, mrp, sly

Pathogenicity potential



:: Bacteriology – Profiles & Panels

PROFILE suckling piglet diarrhoea

Bacteriological examination aerobic/anaerobic
Antimicrobial susceptibility testing (AST)
Porcine coronavirus (TGEV, PEDV, PDCoV) – PCR
Rotavirus A and C – PCR
Cystoisopora suis – PCR

PROFILE weaner diarrhoea

Bacteriological examination aerobic/anaerobic
Antimicrobial susceptibility testing (AST)
Culture for Salmonella spp.
Lawsonia intracellularis – PCR
Porcine coronavirus (TGEV, PEDV, PDCoV) – PCR
Rotavirus A and C – PCR
Endoparasites

PROFILE fattening pig diarrhoea

Bacteriological examination aerobic
Antimicrobial susceptibility testing (AST)
Culture for Salmonella spp.
Porcine coronavirus (TGEV, PEDV, PDCoV) – PCR
Rotavirus A and C – PCR
Brachyspira hyodysenteriae – PCR
Brachyspira pilosicoli – PCR
Lawsonia intracellularis – PCR

Please ask us for your own personalised Profile & Panel.

:: Bacteriology – Profiles & Panels

PROFILE edema disease

Bacteriological examination for E. coli
E. coli fimbrial antigen F18 – PCR
E. coli shiga toxin (Stx2e) – PCR

PROFILE urinary tract infection

Clin.-chemical urinalysis
Bacteriological examination
Antimicrobial susceptibility testing (AST)

Please ask us for your own personalised Profile & Panel.



::DIAGNOSTIC SERVICES

::Pathology*

Histology

Disposal of carcasses (10 kg carcass/ tissue)

::Parasitology

Endoparasites

 Combined sedimentation / flotation

Ectoparasites

:: Clinical chemistry (from serum) *

Alanine aminotransferase (ALT)	.....
Albumin	.....
Alkaline phosphatase (AP)	.....
Amylase	.....
Aspartate aminotransferase (AST)	.....
Bilirubin total	.....
Calcium	.....
Chloride	.....
Creatine kinase (CK)	.....
Iron	.....
Gamma-glutamyltransferase (gamma-GT)	.....
Protein total	.....
Glucose	.....
Glutamate dehydrogenase (GLDH)	.....
Urea	.....
Potassium	.....
Creatinine	.....
Copper	.....
Magnesium	.....
Manganese	.....
(heparin, EDTA-blood)	
Sodium	.....
Phosphate	.....
Selenium	.....
Vitamin A (retinol)	.....
light-protected	
Vitamin D (1,25-OH)	.....
Vitamin E (tocopherol)	.....
light-protected	
Vitamin H (biotin)	.....
Zinc	.....



:: Clinical chemistry – Profiles & Panels*

PROFILE Basic profile metabolism (from serum)

Albumin
Bilirubin total
Protein total
Glucose
Urea
Creatinine
Alkaline phosphatase (AP)
ALT
AST
GLDH
Gamma-GT
Amylase
Creatine kinase (CK)
Sodium
Potassium
Calcium
Phosphate
Magnesium
Chloride
Iron

PROFILE trace elements (from serum, light-protected)

Copper
Selenium
Vitamin E (tocopherol)
Zinc

:: Clinical chemistry – Profiles & Panels*

PROFILE Partial blood count (from EDTA blood)

Leucocytes
Erythrocytes
Haemoglobin
Hematocrit
Thrombocytes

PROFILE Complete blood count (from EDTA blood)

Leucocytes
Erythrocytes
Haemoglobin
Hematocrit
Segmented neutrophils
Banded neutrophils
Eosinophil granulocytes
Basophil granulocytes
Lymphocytes
Monocytes
Thrombocytes

** analysis performed by subcontractor laboratory*



:: General Information

If there are additional parameters that you need examined, please contact us and we will try to help you.

:: Invoicing

The invoice will be sent to the veterinarian after the report has been issued. The examinations will be invoiced monthly or at fortnightly intervals.

Earlier price lists are now invalid. Prices are per sample and do not include VAT (net).

Our general terms and conditions apply to the provision of all our services. Please find them at www.vaxxinoa-diagnostics.de, as well as our data privacy statement.

Valid from January 1, 2020.

Vaxxinoa Diagnostics GmbH

Deutscher Platz 5e

04103 Leipzig

Germany

Managing Director: Dr. Bernd-Andreas Schwarz

T +49 (0) 341 / 463 798 50

F +49 (0) 341 / 463 798 58

leipzig@vaxxinoa-diagnostics.de

www.vaxxinoa-diagnostics.de

Landessparkasse zu Oldenburg

IBAN DE07 2805 0100 0093 1621 21

BIC SLZODE22XXX



Vaxxinoa Diagnostics GmbH
Deutscher Platz 5e · 04103 Leipzig · Germany
T +49 (0)341/463 798 50 · F +49 (0)341/463 798 58
Email: leipzig@vaxxinoa-diagnostics.de

.....