

Valid from August 01<sup>st</sup>, 2023

Pos.	Product	Description	Materials
<b>General bacteriological examination (BU), aerobic/anaerobic</b>			
D_BU-W-001-EU	Bacteriological examination - organs, parts of organs, respiratory tract, reproductive tract	Cultural detection incl. MALDI-TOF MS identification as well as typing of relevant pathogens and storage of appropriate strains for the production of an autogenous vaccine	Organ, parts of organs, respiratory tract, reproductive tract (native, swab)
D_BU-W-002-EU	Bacteriological examination - faeces	Cultural detection incl. MALDI-TOF MS identification as well as typing of relevant pathogens and storage of appropriate strains for the production of an autogenous vaccine	Faeces (native, swab)
D_BU-W-003-EU	Bacteriological examination - organ package	Organ package incl. three to six organs; cultural detection incl. MALDI-TOF MS identification as well as typing of relevant pathogens and storage of appropriate strains for the production of an autogenous vaccine	Organ, parts of organs
D_BU-W-004-EU	Bacteriological examination incl. short susceptibility test (max. two) - <b>sample</b>	Cultural detection incl. MALDI-TOF MS identification; <b>without</b> strain typing and storage	Organ, parts of organs, respiratory tract, reproductive tract (native, swab)
D_BU-W-005-EU	Bacteriological examination incl. short susceptibility test (max. two) - <b>faeces</b>	Cultural detection <b>without</b> MALDI-TOF MS identification and <b>without</b> strain typing and storage	Native faeces, swabs
D_BU-W-006-EU	Bacteriological examination - <b>strictly</b> anaerobic sample	Cultural detection incl. MALDI-TOF MS identification as well as typing of relevant pathogens and storage of appropriate strains for the production of an autogenous vaccine	Claw samples, udder cleft dermatitis samples (biopsy, swab)
D_BU-W-007-EU	Bacteriological examination - milk sample	Cultural detection incl. MALDI-TOF MS identification as well as typing of relevant pathogens and storage of appropriate strains for the production of an autogenous vaccine	Milk
D_BU-W-008-EU	Necropsy - lamb	Post-mortem examination with selected organ examination and pathomorphological report incl. subsequent carcass disposal - cultural detection incl. MALDI-TOF MS identification as well as typing of relevant pathogens and storage of suitable isolates for the production of an autogenous vaccine	Carcasses - maximum weight of 10 kg

<b>Special bacteriological examination (detection of individual pathogens)</b>			
D_SpBU-W-001-EU	<i>Campylobacter</i> spp.	Cultural detection incl. MALDI-TOF MS identification	Carcasses, organs, faeces, swabs
D_SpBU-W-002-EU	<i>Clostridioides difficile</i>		
D_SpBU-W-003-EU	<i>Mycoplasma</i> spp.	Enrichment, cultural detection incl. MALDI-TOF MS identification	Carcasses, organs, milk, swabs
D_SpBU-W-004-EU	<i>Salmonella</i> spp. - Salmonellenmonitoring	Cultural detection from 3-fold enrichment in selective medium incl. MALDI-TOF MS identification	Carcasses, organs, faeces, swabs
D_SpBU-W-005-EU	Further bacteria species	Identification via MALDI-TOF MS	Isolate

Valid from August 01<sup>st</sup>, 2023

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<b>Molecular biological pathogen detection or typing</b>			
D_MBIO-W-001-EU	<i>Clostridioides difficile</i>	Molecular biological examination (PCR) for toxin A and B of <i>Clostridioides difficile</i>	Isolate
D_MBIO-W-002-EU	<i>Escherichia coli</i>	Molecular biological examination (Franck-PCR) for virulence-associated genes (fimbriae, adhesins, toxins) of pathogenic <i>E. coli</i>	
D_MBIO-W-003-EU	<i>Escherichia coli</i>	Molecular biological examination (PCR) for shigatoxins (Stx1, Stx2)	
D_MBIO-W-004-EU	<i>Mannheimia haemolytica</i>	Molecular biological examination (PCR) for <i>Mannheimia haemolytica</i> serotypes 1, 2 and 6	
D_MBIO-W-005-EU	<i>Mycoplasma</i> spp.	Molecular biological examination (PCR) for <i>Mycoplasma</i> spp.	Carcasses, organs, dry swabs, milk
D_MBIO-W-006-EU	<i>Mycoplasma (M.) bovis</i> , <i>M. bovirhinis</i> , <i>M. dispar</i>	Molecular biological examination (PCR) for <i>Mycoplasma (M.) bovis</i> , <i>M. bovirhinis</i> , <i>M. dispar</i>	
D_MBIO-W-007-EU	<i>Pasteurella multocida</i>	Molecular biological examination (PCR) for dermonecrotic toxin (dnT) and capsule types of <i>Pasteurella multocida</i>	Isolate
<b>Pathogen typing</b>			
D_TYP-W-001-EU	<i>Clostridium perfringens</i>	Toxin typing and $\alpha$ -toxin quantification of <i>Clostridium perfringens</i>	Isolate
D_TYP-W-002-EU	<i>Escherichia coli</i>	Serotyping via agglutination	
D_TYP-W-003-EU	<i>Salmonella enterica</i> subsp. <i>enterica</i>	Typing by an external laboratory	
<b>Botulism diagnostics</b>			
D_BONT-001-EU	BoNT cultural diagnostics	Anaerobic bacteriological examination for BoNT-producing Clostridia species	Faeces, liver, organs of the digestive tract
D_BONT-002-EU	Botulinum neurotoxin	Molecular biological examination (PCR) for botulinum neurotoxin types	
<b>Susceptibility test</b>			
D_REST-001-EU	Susceptibility test per isolate	Agar diffusion test	Isolate
D_REST-002-EU	Extended spectrum beta-lactamases (ESBL)	Detection of extended spectrum beta-lactamases (ESBL) with agar diffusion	
<b>Mycology</b>			
D_MYK-001-EU	Yeasts, moulds	Mycological examination, cultural detection incl. MALDI-TOF MS identification	Carcasses, organs, milk, swabs

Valid from August 01<sup>st</sup>, 2023

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<b>Parasitologie</b>			
D_PARA-001-EU	Helminth eggs	Examination for helminth eggs (flotation method)	
D_PARA-002-EU	Coccidia / cryptosporidia	Examination for coccidia / cryptosporidia (microscopy)	Carcasses, intestines, faeces
<b>Virology</b>			
D_VIRO-W-001-EU	Bovine coronavirus	Virological examination for bovine coronavirus by immunochromatography	Carcasses, intestines, faeces
D_VIRO-W-002-EU	Rotavirus Typ A	Virological examination for bovine rotavirus type A by immunochromatography	
D_VIRO-W-003-EU	Parainfluenza Typ 3 - Virus (PI3V)	Virological examination for parainfluenza type 3 - virus (PI3V) by quantitative real-time PCR (qPCR) - external laboratory	Respiratory tract, (organs, nasal swabs, tracheal swabs, BAL)
D_VIRO-W-004-EU	Bovine Respiratory Syncytial Virus (BRSV)	Virological examination for bovine respiratory syncytial virus (BRSV) by quantitative real-time PCR (qPCR) - external laboratory	
<b>Serology (ELISA)</b>			
D_ELISA-W-001-EU	ELISA - <i>Clostridium perfringens</i>	Serological detection of antibodies against <i>Clostridium perfringens</i> - $\alpha$ -toxin	Blood serum
D_ELISA-W-002-EU	ELISA - <i>Coxiella burnetii</i>	Serological detection of antibodies against <i>Coxiella burnetii</i> - $\alpha$ -toxin by an external laboratory	Blood serum, milk
<b>General</b>			
ALLG-001-EU	Sample pick-up	Sample collection by RIPAC-LABOR GmbH	
ALLG-002-EU	Diagnostics supplies	<i>Mycoplasma</i> transport medium (3.1 ml) for <i>Mycoplasma</i> -suspicious samples	
ALLG-004-EU	Shipment of bacterial isolates	Shipment / transfer of bacterial isolates to external institutions	
ALLG-008-EU	Diagnostics - selective nutrient media (NEO, GENTA)	Selective nutrient media - Neomycin, Gentamycin - for the detection of <i>Clostridium perfringens</i> (price per agar plate)	