

Pos.	Product	Description	Materials
General bacteriological examination (BU), aerobic/anaerobic			
D_BU-G-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-G-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-G-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-G-004-EU	Bacteriological examination incl. short susceptibility test (max. two) - sample	Cultural detection incl. MALDI-TOF MS identification; without strain typing and storage	Organ, parts of organs, respiratory tract, reproductive tract (native, swab)
D_BU-G-005-EU	Bacteriological examination incl. short susceptibility test (max. two) - faeces	Cultural detection without MALDI-TOF MS identification and without strain typing and storage	Native faeces, swabs
D_BU-G-006-EU	Bacteriological examination - heads	Bacteriological examination of brain and sinus nasalis, 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	Heads
D_BU-G-008-EU	Bacteriological examination - hatching eggs	Bacteriological examination incl. enrichment, 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	Eggs
D_BU-G-009-EU	Necropsy - chicks	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	Chicks one to seven days of life or dead in shells
D_BU-G-010-EU	Necropsy - carcasses		Carcasses >7 days of life

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

Pos.	Product	Description	Materials
Molecular biological pathogen detection or typing			
D_MBIO-G-001-EU	<i>Brachyspira</i> spp.	Molecular biological detection (PCR) for <i>Brachyspira</i> spp	Carcasses, organs, faeces, dry swabs
D_MBIO-G-002-EU	<i>Chlamydia psittaci</i>	Molecular biological detection (PCR) for <i>Chlamydia psittaci</i>	
D_MBIO-G-003-EU	<i>Escherichia coli</i>	Molecular biological detection (PCR) for avian pathogenic <i>Escherichia coli</i> (APEC)	Isolate
D_MBIO-G-004-EU	<i>Mycoplasma</i> spp.	Molecular biological detection (PCR) for <i>Mycoplasma</i> spp.	Carcasses, organs, dry swabs
D_MBIO-G-005-EU	<i>Mycoplasma (M.) gallisepticum</i> , <i>M. synoviae</i>	Molecular biological detection (PCR) for <i>Mycoplasma (M.) gallisepticum</i> and <i>M. synoviae</i>	
D_MBIO-G-006-EU	<i>Ornithobacterium rhinotracheale</i> (ORT)	Molecular biological detection (PCR) for <i>Ornithobacterium rhinotracheale</i>	
D_MBIO-G-007-EU	<i>Pasteurella multocida</i>	Molecular biological examination (PCR) for capsule types of <i>Pasteurella multocida</i>	Isolate
D_MBIO-G-008-EU	<i>Erysipelothrix rhusiopathiae</i>	Molecular biological detection (PCR) for <i>Erysipelothrix rhusiopathiae</i> serotypes 1b, 2, 4, 5	
Pathogen typing			
D_TYP-G-001-EU	<i>Clostridium perfringens</i>	Toxin typing and α -toxin quantification of <i>Clostridium perfringens</i>	Isolate
D_TYP-G-002-EU	<i>Enterococcus cecorum</i>	Serotyping via agglutination	
D_TYP-G-003-EU	<i>Escherichia coli</i>		
D_TYP-G-004-EU	<i>Riemerella anatipestifer</i>		
D_TYP-G-005-EU	<i>Ornithobacterium rhinotracheale</i> (ORT)	Typing by an external laboratory	
D_TYP-G-006-EU	<i>Salmonella enterica</i> subsp. <i>enterica</i>		
Botulism diagnostics			
D_BONT-001-EU	BoNT cultural diagnostics	Anaerobic bacteriological examination for BoNT-producing <i>Clostridia</i> species	Faeces, liver, organs of the digestive tract
D_BONT-002-EU	Botulinum neurotoxin	Molecular biological examination (PCR) for botulinum neurotoxin types	
Susceptibility test			
D_RESI-001-EU	Susceptibility test per isolate	Agar diffusion test	Isolate
D_RESI-002-EU	Extended spectrum beta-lactamases (ESBL)	Detection of extended spectrum beta-lactamases (ESBL) with agar diffusion	
Mycology			
D_MYK-001-EU	Yeasts, moulds	Mycological examination, cultural detection incl. MALDI-TOF MS identification	Carcasses, organs, swabs

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Parasitology			
D_PARA-001-EU	Helminth eggs	Examination for helminth eggs (flotation method)	Carcasses, intestines, faeces
D_PARA-002-EU	Coccidia / cryptosporidia	Examination for coccidia / cryptosporidia (microscopy)	
D_PARA-003-EU	Ectoparasites	Examination for ectoparasites	
Virology			
D_VIRO-G-001-EU	Avian adenovirus (TAdV, FAdV) - Cultivation	Cultivation of TAdV, FAdV on cell culture - successful after several blind passages	Carcasses, organs, swabs
D_VIRO-G-002-EU	Avian adenovirus (TAdV, FAdV) - Cultivation	Cultivation of TAdV, FAdV on cell culture - unsuccessful after several blind passages	
D_VIRO-G-003-EU	Avian adenovirus virus - genotyping (external)	Adenovirus genotyping by an external laboratory	Isolates in cell culture
D_VIRO-G-004-EU	Avian reovirus (TRV, ARV) - Cultivation	Cultivation of TRV, ARV on cell culture - successful after several blind passages	carcasses, organs, swabs
D_VIRO-G-005-EU	Avian reovirus (TRV, ARV) - Cultivation	Cultivation of TRV, ARV on cell culture - unsuccessful after several blind passages	
D_VIRO-G-006-EU	Avian influenza	Quantitative real-time PCR (qPCR) - matrix protein	
D_VIRO-G-007-EU	Chicken Astrovirus - CAstV	Quantitative real-time PCR (qPCR)	
D_VIRO-G-008-EU	Avian nephritis virus - ANV	Quantitative real-time PCR (qPCR)	
Serology (ELISA)			
D_ELISA-G-001-EU	ELISA - <i>Clostridium perfringens</i>	Serological detection of antibodies against <i>Clostridium perfringens</i> - α -toxin	Blood serum
General			
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)	
ALLG-009-EU	Diagnostics - selective nutrient media (TSA, TSYA)	Selective nutrient media - TSA, TSYA - for the detection of <i>Brachyspira</i> spp. (price per agar plate)	