



Viral PCR# & Sequencing

Avian Encephalomyelitis Virus (AEV)
Avian Influenza Type A ("Matrix-PCR", IVA)
Influenza H3
Influenza H5 & N1 combination
Influenza H6
Influenza H7
Influenza H9
Influenza-N-type determination N1 to N9 (price per each additional N-antigen)
Influenza-H-type determination H1 to H16 (price per each additional H-antigen)
Influenza H5/H7 sequencing for HPAI/LPAI differentiation
Avian Hepevirus (aHEV/Avian Hepatitis E virus)
Avian Metapneumovirus A & B (serotype-spec., aMPV-A & -B / ART / TRT / SHS)
Avian Metapneumovirus C & D (serotype-spec., aMPV -C & -D)
Avian Metapneumovirus A to D (serotype-spec., combination)
Avian Nephritis Virus 1 & 2 (ANV-1 & -2)
Avian Nephritis Virus 3 (ANV-3)
Avian Ortho-Reovirus (ARV)*
Avian Ortho-Reovirus sequencing & phylogenetic analysis (C- and/or NS-gene)
Avian Polyomavirus (GHPV, Hemorrhagic Nephritis and Enteritis Virus of Geese, HNEG)
Avian Rotavirus A & D (serotype-spec., combination)
Pheasant Rotavirus
Chicken Anemia Virus (CAV)
Chicken Astrovirus (CAstV, group A & B)
CAstV sequencing for differentiation of group A & B
Duck / Goose Circovirus (DuCV / GoCV)
Duck Egg Drop Flavivirus (BYDV, Baiyangdian)
Duck Enteritis Virus (Duck plague, DEV)
Duck Hepatitis A Virus Type 1 (DHAV-1 / DHV-1)
Duck & Goose Parvovirus DIVA§-PCR (Hoekstra)
Muscovy Duck Parvovirus & Goose Parvovirus (MDPV / GPV) Screening-PCR
MDPV/GPV Typing-PCR for differentiation of Goose Parvovirus/Muscovy Duck Parvovirus
Duck / Goose Reovirus (DRV / GRV)

Samples of up to five individuals can be pooled. It is absolutely necessary to indicate if sending several swabs whether these are already pooled or need to be pooled. Please find respective submission forms on www.anicon.eu → downloads.

* Direct diagnostics of Fowl Adenovirus (FAdV) and/ or Avian Ortho-Reovirus (ARV) from raw samples by PCR methods may lead to false negative results; we run at least three passages of virus cultivation before confirmation by PCR methods in harvested cultural material, if not explicitly ordered for PCR only. Please see also article „combination FAdV & ARV: culture and PCR“ in chapter virology.

§ DIVA - Differentiating Infected from Vaccinated Animals - method for differentiation of field strains from named vaccine strains.



Viral PCR# & Sequencing (continuing)

Egg Drop Syndrome-76-Virus (EDS-76 / DuAdV)

Fowl Adenovirus (FAdV)*

FAdV sequencing for species and serotype determination

Fowlpox Virus (FPV)

Infectious Bronchitis Virus / Avian Coronavirus screening (incl. IBV & TuCV)

IBV-variant-specific determination (package of all available variants)▪

IBV sequencing & phylogenetic analysis

Infectious Laryngotracheitis Virus (ILTV)

Infectious Bursitis Virus (IBDV; Gumboro; serotype 1 & 2)

IBDV screening incl. patho-typing

(Gumboro, serotype 1, differentiation between vvIBDV and non-vIBDV)

IBDV sequencing, phylogenetic analysis (VP1 & 2) and conceptual translation (12 AA of VP2)

IBDV sequencing, phylogenetic analysis (VP1 & 2) and conceptual translation (28 AA of VP2)

Innovax®-ND-IBD DIVA§-PCR

Herpes Virus of Turkeys (GaHV-3, HVT)

Marek's Disease Virus (MDV, GaHV-1)

Marek & Rispens DIVA§-PCR

Marek's Disease Virus sequencing

Newcastle Disease Virus (Avian Paramyxovirus-1, aPMV-1)

Newcastle Disease Virus / aPMV-1 patho-typing-PCR (velogenic vs. lentogenic)

Newcastle Disease Virus / aPMV-1 sequencing & patho-typing
(assortment to lento-, meso- or velogenic)

Reticuloendotheliosis Virus (REV)

Turkey Astrovirus 1 / 2 (serotype-specific, TAsTV-1/-2)

Turkey Coronavirus (TuCV)

Turkey Hemorrhagic Enteritis (TuHEV)

Turkey Viral Hepatitis (TVH)

TVH sequencing & phylogenetic analysis

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▪ 793B (4/91, CR88); QX (D388); D1466; Massachusetts; D274; Italy 02; Arkansas; Variant 2 (Israel 02/IS1494); Q1; IB80

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PCR# and Sequencing - Diverse

Mycoplasma

Mollicutes spp.

Mycoplasma gallisepticum (Mg)

Mg DIVA§-PCR vaccine strain 6/85 and F-strain

Mg DIVA§-PCR vaccine strain ts-11

Mycoplasma synoviae (Ms)

Ms-H DIVA§-PCR (incl. Ms field strain detection)

Ms-1 DIVA§-PCR

Mg & Ms (species-spec., combination)

Mycoplasma meleagridis (Mm)

Mycoplasma iowae (Mi)

Chlamydia

Chlamydia spp. screening, *C. abortus* & *C. psittaci* (species-spec., combination)

Chlamydia spp. screening

Chlamydia abortus

Chlamydia avium (doves, psittacidae)

Chlamydia gallinacea

Chlamydia psittaci

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PCR# and Sequencing – Diverse (continued)

Others

Avibacterium paragallinarum (Infectious Coryza)

Bordetella avium

Brachyspira spp.-screening

Brachyspira hyodysenteriae and Brachyspira pilosicoli (combination)

Thermophilic Campylobacter spp. (detects C. coli, C. lari, C.jejuni)

Clostridium perfringens major & minor toxin genes*

Clostridium difficile toxin genes A & B

Erysipelothrix spp. & E. rhusiopathiae (Erysipelas)

E. coli (species-specific)

E. coli 8 x APEC (virulence factors; incl. F11-antigen)

Histomonas meleagridis

Ornithobacterium rhinotracheale (ORT)

Pasteurella multocida spp.

Pasteurella multocida subsp. septica

Pasteurella multocida capsule typing

Riemerella anatipestifer (Ra)

Salmonella spp.

SGP DIVA[§]-PCR (serovar-specific differentiation of Salmonella Gallinarum and Pullorum and vaccine strain 9R specific)

SE DIVA[§]-PCR (Salmonella Enteritidis serovar-specific & vaccine strains IDT/BI and LAH/ELANCO specific) combined with ST (Salmonella Typhimurium serovar-specific)

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* The following toxin genes are analysed: major toxin genes alpha, beta, epsilon & iota and minor toxin genes beta2, enterotoxin & netB.

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Respiratory Pathogens - Scaffold Pricing of Packages*

PCR-package of 2 respiratory pathogens (bact. / viral)*

PCR-package of 3 respiratory pathogens (bact. / viral)*

PCR-package of 4 respiratory pathogens (bact. / viral)*

PCR-package of 5 respiratory pathogens (bact. / viral)*

PCR-package of 6 respiratory pathogens (bact. / viral)*

PCR-package of 7 respiratory pathogens (bact. / viral)*

PCR-package of 8 respiratory pathogens (bact. / viral)*

PCR-package of 9 respiratory pathogens (bact. / viral)*

* does not apply for DIVA[§]-PCRs, typing-PCRs or other PCR-packages and sequencing



Cultural Virus Isolation

Virus cultivation in cell culture / in embryonated egg

Archival storage (bacterial & viral strains)

Combination FAdV & ARV: culture & PCR
