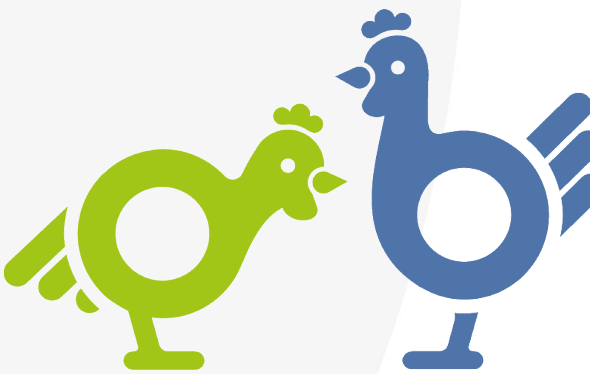
GENOVO
vet diagnostic/s experts

G-Kits

In-Vitro Diagnostics for Poultry

PRODUCT CATALOGUE

Real-Time PCR kits for viruses, bacteria and parasites – now with dedicated disease solutions for **IBD · IB · AI · ND**



Rev006 · October 2026

Introduction

In the field of veterinary diagnostics, speed, accuracy and reliability are essential for effective disease management and animal welfare. Genovo's G-Kits represent a new generation of Real-Time PCR solutions, specifically developed to meet the diagnostic needs of poultry veterinarians and laboratories.

Our kits cover a broad spectrum of pathogens – viruses, bacteria and parasites – enabling targeted detection and differentiation of clinically relevant strains and genotypes. Whether for routine health monitoring, outbreak investigation or vaccine differentiation (DIVA), G-Kits provide robust and reproducible results that support timely and informed decision-making.

For the diseases that matter most in poultry production – Infectious Bursal Disease, Infectious Bronchitis, Avian Influenza and Newcastle Disease – we now present our portfolio as complete disease solutions: from first detection to the identification of the genotype, variant or subtype.

Developed and manufactured in Germany, Genovo's diagnostic solutions combine scientific excellence with operational reliability.

DISEASE SOLUTIONS

IBD
Infectious Bursal Disease / Gumboro
page 3

IB
Infectious Bronchitis / Avian Coronavirus
page 4

AI
Avian Influenza / Influenza Virus Type A
page 5

ND
Newcastle Disease / Avian Paramyxovirus 1
page 6

HOW TO READ THIS CATALOGUE

G-Screen	generic detection of a pathogen at species or genus level
G-Type	identification of genotypes, genogroups, variants or subtypes
DIVA	differentiation of a vaccine strain from field strains
G-Bundle	several kits combined in one package
F... / L...	article numbers for the frozen (F) and lyophilized (L) format; most kits come in 100 or 25 reactions
NEW	new in this revision



→ Find also our products in our webshop at **www.genovo-shop.de**

DISEASE SOLUTION · VIRUS

Infectious Bursal Disease

IBD · Gumboro · Infectious Bursal Disease Virus (IBDV), genus Avibirnavirus

IBDV attacks the bursa of Fabricius of young chickens. Besides clinical disease and mortality, it causes immunosuppression that weakens the response to other vaccinations and opens the door to secondary infections. Classical, variant and very virulent strains circulate side by side with live vaccine strains – knowing which genogroup is present in a flock is the basis for choosing the right vaccine and the right vaccination timing.

1 Detect – G-Screen
detection of IBDV as the starting point

›

2 Identify – G-Type
genogroup-specific typing of segment A and B

Kit Description	Frozen	Lyophilized	Reactions
G-Screen Infectious Bursal Disease Virus IBDV / Gumboro	F100007 F100008	L100007 L100008	100 25
G-Type IBDV A1 NEW detection of IBD genogroup A1	F100133 F100134	L100133 L100134	100 25
G-Type IBDV A2 detection of IBD genogroup A2	F100139 F100140	L100139 L100140	100 25
G-Type IBDV Multiplex A3B2 NEW distinct detection of IBD genogroups A3 and B2 = genotype A3B2	F100149 F100150	L100149 L100150	100 25
G-Type IBDV A4 NEW detection of IBD genogroup A4	F100129 F100130	L100129 L100130	100 25
G-Type IBDV A6 NEW detection of IBD genogroup A6	F100131 F100132	L100131 L100132	100 25
G-Type IBDV Multiplex A7B3 distinct detection of IBD genogroups A7 and B3 = genotype A7B3	F100095 F100096	L100095 L100096	100 25

GENOVO

Infectious Bronchitis

IB · Infectious Bronchitis Virus (IBV), Avian Coronavirus, genus Gammacoronavirus

IBV is one of the most widespread pathogens of chickens, affecting the respiratory tract, kidneys and reproductive organs with direct consequences for growth, egg production and egg quality. Its constant genetic evolution produces many genotypes and variants that are only partly cross-protected by vaccines – identifying the variant in a flock is the basis of an effective vaccination programme.

1 Detect – G-Screen
Avian Coronavirus incl. IBV

›

2 Identify – G-Type
single and duplex variant typing

›

3 All in one – G-Bundle
screening plus all variants marked #

Kit Description	Frozen	Lyophilized	Reactions
G-Screen Avian Coronavirus aCoV, includes the detection of Infectious Bronchitis Virus / IBV	F100001 F100002	L100001 L100002	100 25
G-Type IBV Multiplex GI-1 (Massachusetts) & GI-12 (D274) # distinct detection of IB variants Massachusetts (GI-1) and D274 (GI-12)	F100017 F100018	L100017 L100018	100 25
G-Type IBV Multiplex GI-13 (793B) & GI-19 (QX) # distinct detection of IB variants 793B (GI-13) and QX (GI-19)	F100013 F100014	L100013 L100014	100 25
G-Type IBV Multiplex GI-9 (Arkansas) & GI-23 (Var02) # distinct detection of IB variants Arkansas (GI-9) and Variant 02 (GI-23)	F100015 F100016	L100015 L100016	100 25
G-Type IBV Multiplex GI-16 (Q1) & GI-21 (Italy02) # distinct detection of IB variants Q1 (GI-16) and Italy 02 (GI-21)	F100075 F100076	L100075 L100076	100 25
G-Type IBV Multiplex GI-19 (QX) & GI-23 (Var02) distinct detection of IB variants QX (GI-19) and Variant 02 (GI-23)	F100073 F100074	L100073 L100074	100 25
G-Type IBV GI-13 (793B) detection of IB variant 793B (GI-13)	F100051 F100052	L100051 L100052	100 25
G-Type IBV GI-19 (QX) detection of IB variant QX (GI-19)	F100049 F100050	L100049 L100050	100 25
G-Type IBV GI-23 (Var02) detection of IB variant 02 (GI-23)	F100065 F100066	L100065 L100066	100 25
G-Type IBV GII (D1466 & D181) # detection of IB genogroup II including variants D1466 and D181 (GII-1 & GII-2)	F100059 F100060	L100059 L100060	100 25
G-Type IBV GVIII (IB80) # detection of IB genogroup VIII including IB80 (GVIII)	F100061 F100062	L100061 L100062	100 25
G-Bundle aCoV & IB variants detection of aCoV and all IB variants marked # above	F100087	L100087	100 each

IB lineage nomenclature (GI-1, GI-13 ...) according to Valastro et al. (2016).

DISEASE SOLUTION · VIRUS

Avian Influenza

AI · Influenza Virus Type A (IVA / AIV), genus Alphainfluenzavirus

Avian Influenza Viruses are classified by their surface proteins into H- and N-subtypes. Subtypes H5 and H7 can turn highly pathogenic and are notifiable worldwide; low-pathogenic H9N2 is endemic in large parts of Asia, the Middle East and Africa and causes considerable production losses. Rapid detection of Influenza Virus Type A, followed by H-subtyping, supports early response, surveillance and vaccination decisions.

1 Detect – G-Screen
detection of Influenza Virus Type A

›

2 Identify – G-Type
H-subtyping: H5, H7 and H9

Kit Description	Frozen	Lyophilized	Reactions
G-Screen Influenza Virus A AIV, IVA	F100009 F100010	L100009 L100010	100 25
G-Type Influenza A H9 NEW specific detection of H-type 9 of Influenza Virus Type A	F100147 F100148	L100147 L100148	100 25
G-Type IVA Multiplex H5/H7 distinct detection of H-types 5 and 7 of Influenza Virus Type A	F100143 F100144	L100143 L100144	100 25
G-Type IVA Multiplex H5/H7/H9 NEW distinct detection of H-types 5, 7 and 9 of Influenza Virus Type A	F100099 F100100	L100099 L100100	100 25
Any other H- or N-type specific kit on demand.			

Please note: Highly Pathogenic Avian Influenza (HPAI) and infections with H5 and H7 subtypes are notifiable. Suspected cases must be reported to the competent authority; official confirmation is carried out by the national reference laboratory.

DISEASE SOLUTION · VIRUS

Newcastle Disease

ND · Avian Paramyxovirus 1 (PMV-1, NDV), Orthoavulavirus javaense

Infections with virulent PMV-1 strains cause Newcastle Disease, a notifiable disease with severe losses in poultry, while lentogenic PMV-1 strains are used worldwide as live vaccines. A positive PCR result therefore only becomes meaningful once it is clear whether a vaccine-type genotype (e.g. genotype II, LaSota/B1-type vaccines) or a virulent field genotype such as genotype VII is present.

1 Detect – G-Screen
detection of PMV-1

›

2 Identify – G-Type
vaccine-type vs. field genotypes

›

3 Pathotype – G-Type
lentogenic vs. meso-/velogenic

Kit Description	Frozen	Lyophilized	Reactions
G-Screen Avian Paramyxovirus 1 Orthoavulavirus javaense / PMV-1	F100011 F100012	L100011 L100012	100 25
G-Type PMV-1 Multiplex GII & GVII separate detection of genotype II and VII of PMV-1	F100137 F100138	L100137 L100138	100 25
G-Type PMV-1 Multiplex GI/II & GVII NEW separate detection of genotypes I & II versus genotype VII of PMV-1	F100135 F100136	L100135 L100136	100 25
G-Type PMV-1 Multiplex Pathotyping NEW separate detection of lentogenic vs. mesogenic/velogenic pathotypes	F100155 F100156	L100155 L100156	100 25
G-Type PMV-1 Multiplex GVII & Pathotyping NEW separate detection of genotype VII vs. lentogenic vs. mesogenic/velogenic pathotypes	F100157 F100158	L100157 L100158	100 25

Please note: Newcastle Disease is notifiable. Suspected cases must be reported to the competent authority; official confirmation is carried out by the national reference laboratory.

VIRUS

Other viruses – for IBD, IB, AI and ND please see the disease solutions on pages 3–6.

Kit Description	Frozen	Lyophilized	Reactions
G-Screen Fowl Adenovirus FAdV	F100067 F100068	L100067 L100068	100 25
G-Screen Chicken Astrovirus CAstV	F100091 F100092	L100091 L100092	100 25
G-Screen Turkey Astrovirus TAstV	F100037 F100038	L100037 L100038	100 25
G-Screen Chicken Anemia Virus CAV	F100039 F100040	L100039 L100040	100 25
G-Screen Egg Drop Syndrome 76 Virus EDS 76 / Duck Adenovirus	F100035 F100036	L100035 L100036	100 25
G-Screen Herpesvirus of Turkey HVT HVT / Herpesvirus of Turkey (screening for recombinant vaccines)	F100053 F100054	L100053 L100054	100 25
G-Screen Infectious Laryngotracheitis Virus ILTV	F100069 F100070	L100069 L100070	100 25
G-Type Mareks Disease Virus CVI988 DIVA separate detection and differentiation of vaccine CVI988 from field strains	F100121 F100122	L100121 L100122	100 25
G-Screen Avian Metapneumovirus Multiplex A & B aMPV / ART; distinct detection of serotypes A & B	F100031 F100032	L100031 L100032	100 25
G-Screen Avian Nephritis Virus Avian Nephritis Virus (ANV, Avastrovirus galli)	F100043 F100044	L100043 L100044	100 25
G-Screen Fowl Pox Virus FPV	F100025 F100026	L100025 L100026	100 25
G-Screen Avian Orthoreovirus ARV	F100041 F100042	L100041 L100042	100 25

BACTERIA

Kit Description	Frozen	Lyophilized	Reactions
G-Screen Avibacterium paragallinarum AVP / Coryza	F100027 F100028	L100027 L100028	100 25
G-Screen Enterococcus cecorum incl. virulence marker Enterococcus species-specific detection plus separate detection of virulence marker cpsO	F100141 F100142	L100141 L100142	100 25
G-Screen MGS Multiplex Mycoplasmoides gallisepticum (MG) & Mycoplasmopsis synoviae (MS); species-specific detection	F100005 F100006		100 25
G-Screen MG Mycoplasmoides gallisepticum	F100055 F100056		100 25
G-Type MG ts-11 DIVA separate detection and differentiation of vaccine ts-11 from field strains	F100097 F100098		100 25
G-Type MG 6/85 & F DIVA separate detection and differentiation of vaccines 6/85 and F from field strains	F100103 F100104		100 25
G-Screen MS Mycoplasmopsis synoviae	F100057 F100058		100 25
G-Type MS-H DIVA separate detection and differentiation of vaccine MS-H from field strains	F100085 F100086		100 25
G-Screen MI/MM Multiplex Malacoplasma iowae (MI) & Mycoplasmopsis meleagridis (MM); species-specific detection	F100083 F100084		100 25
G-Screen ORT Ornithobacterium rhinotracheale	F100029 F100030	L100029 L100030	100 25
G-Screen Salmonella spp. Salmonella spp.	F100033 F100034	L100033 L100034	100 25
G-Type SE DIVA (441/041 (ade-/his-)) separate detection and differentiation of SE vaccine strain 441/041 (ade-/his-) from field strains	F100101 F100102		100 25
G-Type SE (Sm24/Rif12/Ssq) & ST (Nal2/Rif9/Rtt) DIVA separate detection and differentiation of SE (Sm24/Rif12/Ssq) & ST (Nal2/Rif9/Rtt) vaccine strains from field strains	F100071		50

Salmonella DIVA as a service: prefer to outsource? Genovo also performs Salmonella vaccine-strain differentiation in our own laboratory – contact us for details.

PARASITES

Parasites Description	Frozen	Lyophilized	Reactions
G-Screen Eimeria spp. detection of poultry-relevant Eimeria species	F100019 F100020	L100019 L100020	100 25
G-Type Eimeria maxima, E. tenella & E. acervulina Multiplex distinct detection of E. maxima, E. tenella and E. acervulina, for short life-cycle production	F100045 F100046	L100045 L100046	100 25
G-Type Eimeria maxima, E. brunetti & E. necatrix Multiplex distinct detection of E. maxima, E. brunetti and E. necatrix, for long life-cycle production	F100047 F100048	L100047 L100048	100 25
G-Type Eimeria lata, E. nagambie & E. zaria Multiplex IN DEVELOPMENT distinct detection of E. lata, E. nagambie and E. zaria (formerly OTU-x, -y and -z)	on request		100 25
G-Screen Histomonas meleagridis HM; blackhead disease	F100093 F100094	L100093 L100094	100 25

Kits marked “in development” are available on request; article numbers will follow.

SEQUENCING & EXTRACTION

Sequencing Description	Product Code	Size
G-Seq Avian Metagenomics NGS Kit NEW high performance reagents / protocol for library preparation to run your own ONT NGS	A100008	25 rxn
G-Cleanup Beads NEW purification of amplicons for Sanger sequencing or in combination with our NGS kit	A100009	50 preps

Extraction Description	Product Code	Size
G-Rapid DNA Extraction simple DNA extraction solution for detection of bacterial DNA from swabs, culture or broth	A100001 A100002	500 ml 100 ml
Proteinase K as supplement to G-Rapid DNA Extraction for protein-rich samples	A100004	100 µl
G-Spin RNA/DNA Extraction Kit extraction of both pure RNA and DNA from vet diagnostic sample matrices	A100005	50 preps

ENZYME MIXES & SAMPLING

Enzyme Mixes Description	Frozen	Lyophilized	Reactions
qPCR-Mix NEW 4x concentrated, for all probe-based qPCR applications	300084	300229	100
RT-qPCR-Mix NEW 4x concentrated, for all probe-based Reverse-Transcription (RT-)qPCR applications	300083	300229	100

Larger volumes of Enzyme Mixes on demand.

Sampling
G-Card (12 spots)
G-Card (12 spots, package of 100 cards)
G-Card (6 larger spots)
G-Card (6 larger spots, package of 100 cards)
G-Card NGS (1 large spot)
Sampling Box for untargeted NGS

Closing Remarks

At Genovo, we believe that precise diagnostics are the foundation of effective veterinary care and livestock production. Our G-Kits are designed to empower veterinarians, laboratory professionals and producers with the tools they need to detect, monitor and manage infectious diseases in poultry populations.

With a growing portfolio of Real-Time PCR kits covering viruses, bacteria and parasites, we support both routine diagnostics and advanced applications such as genotyping and DIVA testing – and, for the key diseases IBD, IB, AI and ND, complete solutions from detection to identification.

We are committed to continuous innovation, responding promptly to emerging challenges in animal health with new diagnostic solutions and updates to existing products. Our team of experts is available to provide technical support, assist with kit selection and help integrate our solutions into your diagnostic workflows.

Thank you for choosing Genovo. Together, we are shaping the future of veterinary diagnostics – efficient, safe and sustainable.

→ See our most updated range of products available in your country at **www.genovo-shop.de**



GENOVO
vet diagnostic/s experts

Genovo GmbH
Kirchstrasse 3
26197 Grossenkneten-Ahlhorn
GERMANY

office@genovo.de · www.genovo.de