Protocols for pre-treatment of samples/controls
for nucleic acid extraction with the ID Gene™ Mag Fast Extraction kit
and analysis using kits from the ID Gene™ and ID Gene Lyo ™ (RT) qPCR product ranges.

Last update: 27/10/2026

The following pre-treatment protocols are available upon request at the address: info@innovative-diagnostics.com **:**

AVIAN RANGE

Avian coronavirus (including all variants of Infectious Bronchitis Virus (IBV) and coronaviruses isolated from turkey, pheasant and pigeon)

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene™ Infectious Bronchitis (IDIBV)	Tracheal, oropharyngeal and cloacal. Individual samples or pools of up to 5	Trachea, lung, kidney and cecal tonsils. Individual samples or pools of up to 5	Individual samples or pool of up to 5	Surface swabs	No	**NTPC-BIRD included in the qPCR kit**	**IBV Positive Extraction Control** (PEC-IBV)	**IBV-MAGFAST**	**0923**	Environmental swabs (surface swabs) now available as a new testing matrix.

Avian reovirus

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene™ Avian Reovirus Duplex (IDREOV)	No	Tendon, spleen, liver, pancreas and heart. Individual samples or pools of up to 5	Individual samples or pool of up to 5	No	No	**NTPC-BIRD included in the qPCR kit**	**REO Positive Extraction Control** (PEC-REO)	**REOV-MAGFAST**	**0921**	N/A, IDREOV RT-qPCR kit now available

Avibacterium paragallinarum, the agent responsible of Infectious coryza

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene™ Avibacterium paragallinarum Duplex (IDAVIBACL)	Tracheal and oropharyngeal. Individual samples or pools of up to 5	Trachea and lung Individual samples or pools of up to 5	Individual samples or pool of up to 5	No	No	No. *In the case of multi-pathogen analyses, it is possible to use the NTPC-EXO1 or NTPC-BIRD*	**AVIBAC Positive Extraction Control** (PEC-AVIBAC)	**AVIBACL-MAGFAST**	**0526**	N/A, IDAVIBACL qPCR kit now available

Infectious Laryngotracheitis Virus (ILTV)

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene™ ILT Duplex (IDILTV)	Tracheal, oropharyngeal and cloacal. Individual samples or pools of up to 5	Individual samples or pools of up to 5	Individual or pools of up to 5	No	No	**NTPC-BIRD included in the qPCR kit**	**ILTV Positive Extraction Control** (PEC-ILTV)	**ILTV-MAGFAST**	**0620**	N/A, IDILTV qPCR kit now available

Influenza A viruses

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene™ Influenza A Triplex (IDFLUATRI)	Tracheal, oropharyngeal and cloacal swabs; Individual samples or pools of up to 5	• Lung-trachea, • Liver-spleen-kidney-pancreas-heart, • Intestine, • Brain. Individual samples or pools of up to 5	Individual samples or pool of up to 5	Surface swabs and boot swabs	No	**NTPC-BIRD included in the qPCR kit**	**FLU Positive Extraction Control** (PEC-FLU)	**FLU-MAGFAST**	**0825**	N/A, first version common to all kits in the Influenza A range.
ID Gene Lyo™ Influenza A Multi-species Triplex (IDFLUAMSL)				• Surface wipe or boot swab (individual samples) • Drinking water (individual samples; pools of up to 5)	• Faeces (individual samples or pools of up to 5) • Feather bulbs (individual samples or pools of up to 5) • Viral culture (individual samples)	**NTPC-EXO1 included in the RT-qPCR kit**	**FLUAMS Positive Extraction Control** (PEC-FLUAMS)			
ID Gene™ Influenza H5/H7 Triplex 2.0 (IDFLUH5/7)				• Surface wipe or boot swab (individual samples)	No	No	**FLU Positive Extraction Control** (PEC-FLU)			
ID Gene™ Influenza H9 Lineage G1-like Duplex (IDFLUH9G1)		• Trachea, • Lung, • Cecal tonsils. Individual samples or pools of up to 5		No	No	No. *In the case of multi-pathogen analyses, it is possible to use the NTPC from another (RT-)qPCR kit*	**FLUH9 Positive Extraction Control** (PEC-FLUH9)			

Mycoplasmas

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene Lyo™ MG/MS Triplex (IDMGMSL)	Tracheal, oropharyngeal or cloacal. Individual samples or pools of up to 5	Trachea, lung; Individual samples or pools of up to 5	Individual or pools of up to 5	No	No	No. *In the case of multi-pathogen analyses, it is possible to use the NTPC from another (RT-)qPCR kit*	**MGMS Positive Extraction Control** (PEC-MGMS)	**Avian Mycoplasma-MAGFAST**	**0626**	• Change in the storage conditions of the samples • For the pre-treatment of nucleic acid storage cards, the DLBV2 buffer is now to be added into the microtubes before the addition of the disc(s). • Addition of clarifications with new protocole layouts.
ID Gene Lyo™ MG Wild type DIVA Duplex (IDMGWTL)							**MGWT Positive Extraction Control** (PEC-MGWT)			N/A, IDMGWTL qPCR kit now available

Newcaste disease virus (NDV)

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene™ Newcastle Disease Duplex (IDNDV)	Tracheal, oropharyngeal and cloacal swabs Individual samples or pools of up to 5	Trachea, lung, spleen, liver, brain and cecal tonsils. Individual samples or pools of up to 5	Individual samples or pools of up to 5	No	No	**NTPC-BIRD included in the qPCR kit**	**NDV Positive Extraction Control** (PEC-NDV)	**NDV-MAGFAST**	**1019**	N/A, IDNDV RT-qPCR kit now available

Salmonellas

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE					EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Swabs	Organs	Nucleic acids storage cards	Environmental samples	Other(s)			Name	Version	Modification made
ID Gene Lyo™ Salmonella spp. Duplex (IDSALL)	No	Intestine, liver, spleen, lung Individual samples or pools of up to 5	Individual samples or pools of up to 5	Surface wipes and boot swabs from poultry farming	Bacterial culture	**NTPC-EXO1 included in the qPCR kit**	**SAL Positive Extraction Control** (PEC-SAL)	**Salmonella-MAGFAST**	**0426**	IDSALL-qPCR kit now available