

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

Last update : 17/02/2025

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

SWINE RANGE

African Swine Fever virus (ASFV)

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE				EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Blood	Swabs	Organs	Other(s)			Name	Version	Modification made
ID Gene™ African Swine Fever Duplex (IDASf)	Whole blood (collected in EDTA tube)	No	<ul style="list-style-type: none"> ● Spleen, ● Lymph nodes ● Tonsils ● Bone marrow ● Kidney 	<ul style="list-style-type: none"> ● Serum ● Oropharyngeal fluids 	No	ASF Target Positive Control (TPC-ASF)	ASF-MAGFAST	0919	For the IDASF kit provided with a Target Positive Control (TPC).
ID Gene™ African Swine Fever Duplex (IDASf)	Whole blood (collected in EDTA tube) Individual samples or pools of up to 20	No	<ul style="list-style-type: none"> ● Spleen, ● Lymph nodes ● Tonsils ● Bone marrow ● Kidney 	<ul style="list-style-type: none"> ● Serum (individual samples or pools of up to 20) ● Oropharyngeal fluids (individual samples or pools) 	No	ASF Target Positive Control (PEC-ASF)	ASF-MAGFAST	0619	For the IDASF kit provided with a Positive Amplification Control (PAC) instead of a Target Positive Control (TPC).

African Swine Fever virus (ASFV) and Classical Swine Fever virus (CSFV)

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE				EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Blood	Swabs	Organs	Other(s)			Name	Version	Modification made
ID Gene™ African Swine Fever Triplex (IDASFTRI)	Whole blood (collected in EDTA tube) Individual samples or pools of up to 20	Oral and oropharyngeal Individual samples or pools of up to 20	<ul style="list-style-type: none"> • Spleen, • Lymph nodes • Tonsils • Bone marrow • Kidney • Individual samples or pools of up to 20 	<ul style="list-style-type: none"> • Serum (individual samples or pools of up to 20) • Oral and oropharyngeal fluids (individual samples or pools of up to 20) 	NTPC-ASF included in the qPCR kit	ASF Target Positive Control (PEC-ASF)	ASFV+CSFV -MAGFAST	0425	Merge of protocols dedicated to ASFV detection and those dedicated to CSFV detection to enable parallel testing: (refer to the history of revisions in the IFU for more details)
ID Gene™ Classical Swine Fever Virus Duplex (IDCSFV)			<ul style="list-style-type: none"> • Spleen, • Lymph nodes • Tonsils • Kidney • Individual samples or pools of up to 20 		<ul style="list-style-type: none"> • Environmental samples (surface wipes) (for ASFV detection only) 				

Foot and Mouth Disease Virus (FMDV)

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE				EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Blood	Swabs	Organs	Other(s)			Name	Version	Modification made
ID Gene Lyo™ FMDV Triplex (IDFMDVL)	Whole blood	Oral and oropharyngeal	Organs and Tissues (e.g. tongue and epithelium from unruptured or recently ruptured vesicles)	<ul style="list-style-type: none"> • Serum • Milk • Vesicular fluids • Viral cultures • Environmental samples (boot swabs) • Nucleic acid storage card (individual samples or pools of up to 5) 	NTPC-FMDV included in the RT-qPCR kit	No	FMDV- MAGFAST	0125	N/A, IDFMDVL RT-qPCR kit now available

Influenza A virus

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE				EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Blood	Swabs	Organs	Other(s)			Name	Version	Modification made
ID Gene Lyo™ Influenza A Multi-species Triplex (IDFLUAMSL)	No	Nasal / nasopharyngeal swab (individual samples or pools of up to 5)	Individual samples or pools of up to 5	<ul style="list-style-type: none"> • Oral fluids (individual samples, pools of up to 5, or collected on a rope within a pen) • Tracheobronchial wash samples (individual samples or pools of up to 5) • Environmental samples (surface wipes or boot swabs) (individual samples) • Viral culture (individual samples) • Nucleic acid storage cards (individual samples or pools of up to 5) 	NTPC-EXO1 included in the RT-qPCR kit	FLUAMS Positive Extraction Control (PEC-FLUAMS)	FLU- MAGFAST	0825	NA, IDFLUAMSL RT-qPCR kit now available

Mycobacterium tuberculosis*: complex including *M.tuberculosis*, *M.bovis*, *M.africanum*, *M.microti*, *M.canetti*, *M.caprae*, et *M.pinnipedii

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE				EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Blood	Swabs	Organs	Other(s)			Name	Version	Modification made
ID Gene™ Mycobacterium tuberculosis complex Duplex (IDTUB)	No	No	No	Lymph nodes and peripheral tissues	NTPC-TUB included in the qPCR kit	TUB Positive Extraction Control (PEC-TUB)	TUB- MAGFAST	0124	Update: Addition of an incubation protocol for lysis, sample can be incubated for 20 min at 70°C.

Porcine Reproductive and Respiratory Syndrome virus (PRRSV)

(RT-) qPCR KIT NAME (PRODUCT CODE)	SAMPLE TYPE				EXOGENOUS NON-TARGET POSITIVE CONTROL (NTPC)	ASSOCIATED POSITIVE EXTRACTION CONTROL (PRODUCT CODE)	PRE-TREATMENT PROTOCOL		
	Blood	Swabs	Organs	Other(s)			Name	Version	Modification made
ID Gene™ PRRSV Triplex (IDPRRSV)	Whole blood	Bronchial swab	Organ and tissue	<ul style="list-style-type: none"> • Serum • Cell culture supernatant • Oropharyngeal fluid 	NTPC-PRRSV included in the qPCR kit	PRRSV Positive Extraction Control (PEC-PRRSV)	PRRSV- MAGFAST	0819	N/A, IDPRRSV qPCR kit now available