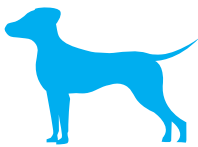


# Infectious Organisms Identification System For Veterinary Research



## Product Selection Guide Global Standard

Maxime™ Technology



CLP™ Technology

ALHP System

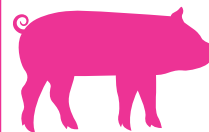
(Automatic Liquid Handling Platform)

Vacuum Contraction Packaging System

Pathogen Identification System

MPF Technology

RTS™ Technology



# Product Selection Guide



## Avian Disease Detection Kits

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE	
Virus	Real-Time RT-PCR	Avian Influenza Virus (AIV) H5/H7/H9 Real-time RT-PCR Detection Kit	IP15002	50 Tests	HA gene	
		Avian Influenza Virus (AIV) Real-time RT-PCR Screening Kit	IP15001	50 Tests	M/NP gene	
		Infectious Bronchitis Virus (IBV) Real-time RT-PCR Detection Kit	IP15281	50 Tests	N gene	
		Infectious Bursal Disease Virus (IBDV) Real-time RT-PCR Detection Kit	IP15282	50 Tests	VP2	
		Newcastle Disease Virus (NDV) Real-time RT-PCR Detection Kit	IP15456	50 Tests	F1/F2	
	RT-PCR	AIV Multi-tube Detection Kit (M, NP, H5, H7, H9)	IPC11009	96 Tests	M/NP/HA	
		Avian Influenza Virus (AIV common duplex) Detection Kit	IPC11002	96 Tests	M/NS gene	
		Avian Influenza Virus serotype H5 (AIV H5-1) Detection Kit	IPC11003	96 Tests	H5 gene	
		Avian Influenza Virus serotype H7 (AIV H7-1) Detection Kit	IPC11005	96 Tests	H7 gene	
		Avian Influenza Virus serotype H9 (AIV H9-1) Detection Kit	IPC11007	96 Tests	H9 gene	
		Infectious Bronchitis Virus (IBV) Detection Kit	IP12284	48 Tests	N gene	
		Infectious Bursal Disease Virus (IBDV) Detection Kit	IP12283	48 Tests	VP2	
		Newcastle Disease Virus – common & patho (NDV) Detection Kit	IP12456	24 Tests	F1/F2	
		Newcastle Disease Virus RT-PCR Kit (Duplex)	IP12457	48 Tests	L/F	
		Newcastle Disease Virus (MDV) Detection Kit	IP13421	24 Tests	Meq	
	Nested-PCR	PCR	Avian Leukosis Virus (ALV) Detection Kit	IP11002	48 Tests	env gene
			Chicken Anemia Virus (CAV) Detection Kit	IP11072	48 Tests	VP2
			Infectious Laryngotracheitis Virus (ILT) Detection Kit	IP11283	48 Tests	glycoprotein
	Bacteria	PCR	Campylobacter coli, jejuni, lari (CAMPY) Detection Kit	IP21071	48 Tests	23s rRNA / lpxA
Mycoplasma Gallisepticum & Mycoplasma Synoviae (MG/MS) Detection Kit			IP21421	48 Tests	16s rRNA	



## Porcine Disease Detection Kits

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE
Virus	Real-Time RT-PCR	Classical Swine Fever Virus (CSFV) Real-time RT-PCR Detection Kit	IP15071	50 Tests	E2 gene
		Foot-and-mouth Virus Real-time RT-PCR Detection Kit (FMDV)	IP15038	50 Tests	5'UTR
		Porcine Reproductive and Respiratory Syndrome Virus (PRRS, EU) Real-time RT-PCR Detection Kit	IP15037	50 Tests	N gene
		Porcine Reproductive and Respiratory Syndrome Virus (PRRS, NA) Real-time RT-PCR Detection Kit	IP15039	50 Tests	N gene
		Porcine Circovirus 2 (PCV2) Real-time PCR Detection Kit	IP14526	50 Tests	Capsid gene
		Swine-Origin Influenza Virus (S-OIV-M/NP) Detection Kit	IP14002	50 Tests	M/NP
	RT-PCR	Swine-Origin Influenza Virus typing (S-OIV-Eurasian SIV/M/H1/NA)	IP14003	50 Tests	Eurasian SIV/M/H1/NA
		Classical Swine Fever Virus (CSFV) Detection Kit	IP12073	48 Tests	E2 gene
		Porcine Epidemic Diarrhea Virus (PED) Detection Kit	IPC12006	50 Tests	M gene
		Porcine Reproductive & Respiratory Syndrome Virus (PRRS) Detection Kit	IP12526	48 Tests	N gene
		Porcine Reproductive and Respiratory Syndrome Virus (PRRS EU/NA) Detection Kit	IP12533	48 Tests	ORF5
		Swine Influenza Virus (NP)(SIV) Detection Kit	IP12632	48 Tests	NP gene
		Swine Influenza Virus typing (SIV-H1/H3/N1/N2) Detection Kit	IP12633	48 Tests	18s/H1/H3/N1/N2/M/NP
		Transmissible Gastroenteritis & Porcine Epidemic Diarrhea Virus (TGE/PED) Detection Kit	IP12666	48 Tests	S gene / M gene
		Avian Pathogenic Escherichia Coli (APEC) Detection Kit	IP21001	48 Tests	fyuA / irp2
		Porcine Circovirus type 2 (PCV2) Detection Kit	IP11527	48 Tests	ORF2
	Bacteria	PCR	Mycoplasma Hypopneumoniae (Mycop-P) Detection Kit	IP21424	48 Tests
Pasteurella Multocida type A (PAS-A) Detection Kit			IP21527	48 Tests	PmHAS
Pasteurella Multocida type D (PAS-D) Detection Kit			IP21528	48 Tests	hssA
Pasteurella Multocida (PAS) Detection Kit			IP21526	48 Tests	KMT1



## Bovine Disease Detection Kits

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE	
Virus	Real-Time RT-PCR	Bovine Viral Diarrhea Virus (BVDV) Real-time RT-PCR Detection Kit	IP15036	50 Tests	BVDV 1 & 2	
		Foot-and-Mouth Virus (FMDV) Real-time RT-PCR Detection Kit	IP15038	50 Tests	5'UTR	
	RT-PCR	Aino Detection Kit	IPC11056	96 Tests	NSs gene	
		Akabane Detection Kit	IPC11055	96 Tests	NSs gene	
		Bovine Coronavirus (BCOV) Detection Kit	IP12036	48 Tests	HE	
		Bovine Coronavirus/Rotavirus/Diarrhea Disease Virus (BD-multi) Detection Kit	IP12037	48 Tests	HE/VP7/5'UTR	
		Bovine Ephemeral Fever Virus + Bluetongue Virus (BEFV/BTV) Detection Kit	IP12038	48 Tests	N protein / VP3	
		Bovine Rotavirus (BRV) Detection Kit	IP12039	48 Tests	VP7	
		Bovine Viral Diarrhea Disease Virus (BVDV) Detection Kit	IP12040	48 Tests	5'UTR	
		Chuzan Detection Kit	IPC11057	96 Tests	NS1	
	RT-PCR	Foot-and-Mouth Virus Type O/A/Asia1 Detection Kit (FMDV)	IPC11013	48 Tests	VP1	
		Foot-and-Mouth Virus Type U Detection Kit (FMDV)	IPC11011	48 Tests	5'UTR	
		Foot-and-Mouth Virus Type VP1 Detection Kit (FMDV)	IPC11012	48 Tests	VP1	
		Ibaraki PCR Detection Kit	IPC11059	96 Tests	VP3	
	Nested-PCR	PCR	Aino Virus (Aino) 1st Detection Kit	IPC11020	96 Tests	NSs gene
			Aino Virus (Aino) 2nd Detection Kit	IPC11021	96 Tests	NSs gene

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE
Virus	Nestled-PCR	Akabane Virus (Akabane) 1st Detection Kit	IPC11022	96 Tests	NSs gene
		Akabane Virus (Akabane) 2nd Detection Kit	IPC11023	96 Tests	NSs gene
		Bovine Ephemeral Fever Virus (BEFV) 1st Detection Kit	IPC11024	96 Tests	N protein
		Bovine Ephemeral Fever Virus (BEFV) 2nd Detection Kit	IPC11025	96 Tests	N protein
		Chuzan Virus (Chuzan) 1st Detection Kit	IPC11027	96 Tests	NS1
		Chuzan Virus (Chuzan) 2nd Detection Kit	IPC11028	96 Tests	NS1
		Ibaraki Virus (Ibaraki) 1st Detection Kit	IPC11029	96 Tests	VP3
		Ibaraki Virus (Ibaraki) 2nd Detection Kit	IPC11030	96 Tests	VP3
Bacteria	PCR	Bacillus Anthracis (Anthrax) Detection Kit	IP21036	48 Tests	Capsule / PA
		Blackleg Detection Kit	IP21039	48 Tests	16s rRNA
		Mycobacterium Tuberculosis (TB) Detection Kit	IP21426	48 Tests	16s rRNA
		Mycobacterium Tuberculosis Duplex (TB-duplex) Detection Kit	IP21427	48 Tests	IS6110/IS1081
		Mycobacterium Tuberculosis Multi (TB-multi) Detection Kit	IP21428	48 Tests	16s rRNA/IS6110/IS1081
		Neospora Caninum (Neospora) Detection Kit	IP31456	48 Tests	ITS



## Canine Disease Detection Kits

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE
Virus	RT-PCR	Canine Coronavirus (CCoV) Detection Kit	IP12071	48 Tests	S gene
		Canine Parainfluenza Virus (CPIV) Detection Kit	IP12072	48 Tests	F gene
		Rabies Virus (RV) Detection Kit	IP12598	48 Tests	N gene
	Nestled-PCR	Canine Distemper Virus (CDV) Detection Kit	IP13071	48 Tests	H gene
		Canine Herpes Virus (CHV) Detection Kit	IP11073	48 Tests	gB gene
		Canine Parvo Virus (CPV) Detection Kit	IP11074	48 Tests	VP2
		Chicken Anemia Virus (CAV) Detection Kit	IP11072	48 Tests	VP2
Parasite	PCR	Heart Worm (HW) Detection Kit	IP31246	48 Tests	16s rRNA
Fungi	PCR	Aspergillus spp. (ASP) Detection Kit	IP41001	48 Tests	alk gene
Bacteria	PCR	Babesia Canis & B. Gibsoni (BAB-C) Detection Kit	IP21037	48 Tests	18s rRNA
		Brucella spp. (BRU) Detection Kit	IP21041	48 Tests	Omp gene
		Clostridium Perfringens (CLOS) Detection Kit	IP21073	48 Tests	cpa
		Ehrlichia spp. (EHR) Detection Kit	IP21143	48 Tests	16s rRNA
		Lepptospira spp. (LEPTO) Detection Kit	IP21386	48 Tests	16s rRNA
		Mycoplasma Haemocanis (HBN-C) Detection Kit	IP21422	48 Tests	16s rRNA
		Mycoplasma spp. (Myco) Detection Kit	IP21425	48 Tests	16s rRNA
		Salmonella spp. (SAL) Detection Kit	IP21631	48 Tests	invA



## Feline Disease Detection Kits

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE
Virus	RT-PCR	Feline Calicivirus (FCV) Detection Kit	IP12177	48 Tests	VP2
		Feline Coronavirus (FCoV) Detection Kit	IP12176	48 Tests	S gene
		Feline Leukemia Virus (FeLV) Detection Kit	IP12178	48 Tests	Envelope precursor
		Feline Panleukopenia Detection Kit	IP11178	48 Tests	VP2
	PCR	Feline Herpesvirus (FHV) Detection Kit	IP11176	48 Tests	TK gene
Feline Immunodeficiency Virus (FIV) Detection Kit		IP11177	48 Tests	gag gene	
Bacteria	PCR	Chlamydia Psittaci (CHLA) Detection Kit	IP21072	48 Tests	ompA gene
		Mycoplasma Haemofelis (HBN-F) Detection Kit	IP21423	48 Tests	16s rRNA
		Toxoplasma Gondii (TOXO) Detection Kit	IP21666	48 Tests	B1 gene



## Honeybee Disease Detection Kits

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE
Virus	RT-PCR	Chinese Sacbrood Virus (CSBV) Detection Kit	IPC12002	50 Tests	PP gene
		Korea Sacbrood Virus (KSBV) Detection Kit	IPC12012	50 Tests	PP gene
		Sacbrood Virus (SBV) Detection Kit	IPC12001	50 Tests	PP gene
Bacteria	PCR	American Foulbrood (AFB) Detection Kit	IPC11087	50 Tests	PP gene
		Chalkbrood (CB) Detection Kit	IPC11088	50 Tests	PP gene
		European Foulbrood (EFB) Detection Kit	IPC11084	50 Tests	PP gene
Fungi	PCR	Stonebrood (SB) Detection Kit	IPC11089	50 Tests	PP gene



## Other (Plant, Fish etc.) Disease Detection Kits

PATHOGEN	PCR TYPE	PRODUCT	CAT. NO.	AMOUNT	TARGET GENE
Virus	RT-PCR	Potato Leaf Roll Virus (PLRV) Detection Kit	IP12527	48 Tests	CP gene
		Potato Spindle Tuber Viroid (PSTVd) Detection Kit	IP12528	48 Tests	Complete genome
		Potato Virus S (PVS) Detection Kit	IP12530	48 Tests	CP gene
		Potato Virus X (PVX) Detection Kit	IP12531	48 Tests	CP gene
		Potato Virus Y (PVY) Detection Kit	IP12532	48 Tests	CP gene
		Rice Virus Multiplex (RSV, RBSVD, RDV) Detection Kit	IP12599	48 Tests	NP gene / CP gene
Bacteria	PCR	Vibrio spp. (VIBRIO) Detection Kit	IP21736	48 Tests	16s rRNA

# LiliF™ System

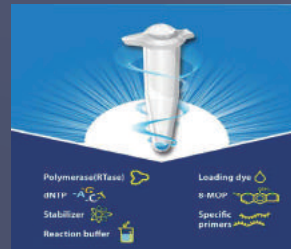
Infectious Organisms Identification System For Veterinary Research

## LiliF™ System

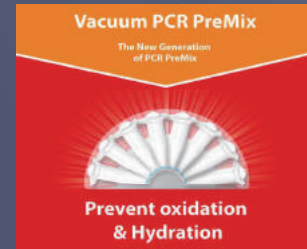
LiliF™ System is an innovative system able to identify infectious microorganisms the most conveniently. And, this system also provides with various test solutions from gene extraction to amplification and analysis. LiliF™ System utilizes CLP™ and Maxime™ technology to establish an easy protocol of test and superior specificity.

## Maxime™ Technology

- Gene amplification, the core process of molecular diagnostics could be easily and accurately conducted by Maxime™ Technology
- All necessary components for PCR are equally aliquoted into every single tube, thus no deviation occurs between tests
- No cross-contamination risk by minimized handling and individual packaging step
- Economically-efficient



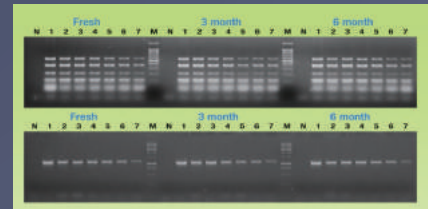
All-in-One System



Vacuum PCR PreMix

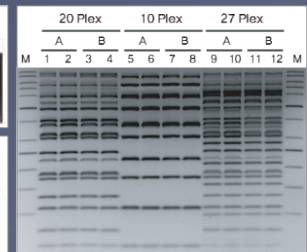
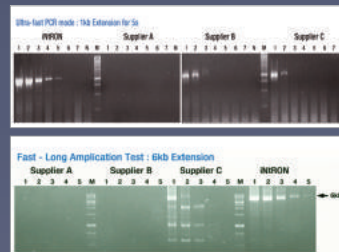
## RTS™ Technology

- The world class performance and stability of premix kit
- Optimized for diagnostic research by maximizing stability of products
- Prevention of activity degradation by excluding artificial additives and removing water completely



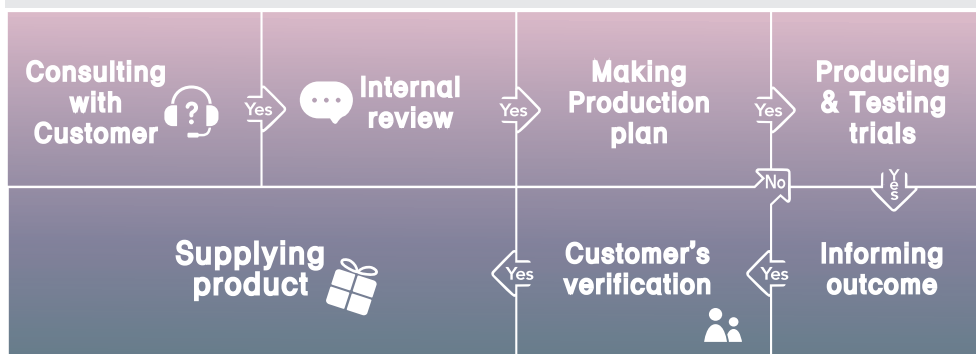
## MPF™ Technology

- 1Kb amplification within 5 sec. possibly up to 6Kb
- High specificity by Hot Start PCR
- The highest existing Multiplex : 27 plexes



## Customizing service

Do you need a specific product? But, you cannot find it on the list?  
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