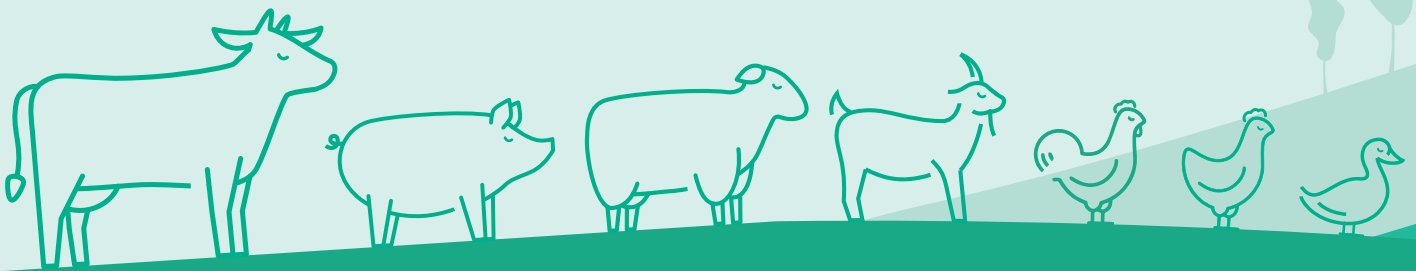




# biosejal

THE ONE HEALTH COMPANY



ANIMAL HEALTH DIAGNOSTIC

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2024



ONE  
HEALTH



*Do not hesitate to contact us if you wish to consult  
our catalogs of human and environmental health.*

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French biotechnologies company, BioSella is specialized in the development, production, and commercialization of complete solutions for the diagnostic of infectious diseases in animal, human, and environmental health, through the implementation of real-time PCR and ELISA techniques.

We are also committed and involved in the development of the **One Health concept: one health for all!**

## OUR MISSION

We have made it our mission to provide our customers with our scientific expertise to promote the development and efficiency of their laboratories:

- ✓ Development, validation, and commercialization of diagnostic tools for animal, human and environmental health,
- ✓ Management of custom molecular biology and immunoserology projects,
- ✓ Advice on the relevance of the diagnostic methods to be adopted.

## OUR SERVICES

**SEQUENCING:** Our Next Generation Sequencing service on multiple or complex targets allows the identification of known or unknown variants of pathogens. Do not hesitate to submit your project to us.

**PARTNERSHIPS:** To respond to our desire to be as close as possible to reality, we carry out field studies in partnership with experts.

## OUR VALUES



### AVAILABILITY & ACCOMPANIMENT

Our technical support is at your disposal to assist you in your analyses.



### REACTIVITY & FLEXIBILITY

We offer services tailored to your needs to ensure the success of your project.



### INNOVATION & EXPERTISE

Our team of experts is attentive to any innovation and offers you products validated according to the standards in force.

# OUR TECHNICAL ACTIVITY LINES

1

## INNOVATION

Spearheading our growth strategy, innovation is at the heart of our company policy. Combining creativity and ingenuity, our Innovation division aims to anticipate changes in veterinary, environmental diagnostics, and medical biology.

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2

## RESEARCH & DEVELOPMENT

The development of new products is the very essence of our R&D. Our teams develop the most efficient products, adapted to your needs and validated according to the regulations in force.

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3

## INDUSTRIALIZATION

Transforming an idea into a finished product is the challenge that our Industrialization division takes up every day, thus making it possible to validate R&D processes and transfer them to the Production division. Industrialization also makes it possible to adapt our existing products to your new needs.

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4

## PRODUCTION

Thanks to our modern facilities and our team specialized in molecular biology and immunology techniques, we produce our kits according to validated processes and current standards, thus guaranteeing the performance of our reagents.

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## EXTRACTION

The extraction kits - by magnetic beads or on columns - are optimized for the **isolation and purification of nucleic acids (DNA and RNA)** from pathogenic agents present in complex matrices.



- ✓ **Suitable plastic consumables.**
- ✓ Optimized extraction programs thanks to **protocol compatibility.**
- ✓ **Our extraction automaton:** PurePrep 96.



## PCR

Diagnostic of infectious pathogens using high-quality, **ready-to-use kits** validated according to current **French standards** and evaluated by the main **Reference Laboratories.**



- ✓ **Identical PCR programs** within the same range.
- ✓ **Our real-time PCR thermal cyclers:** Aria Mx™ and MIC.



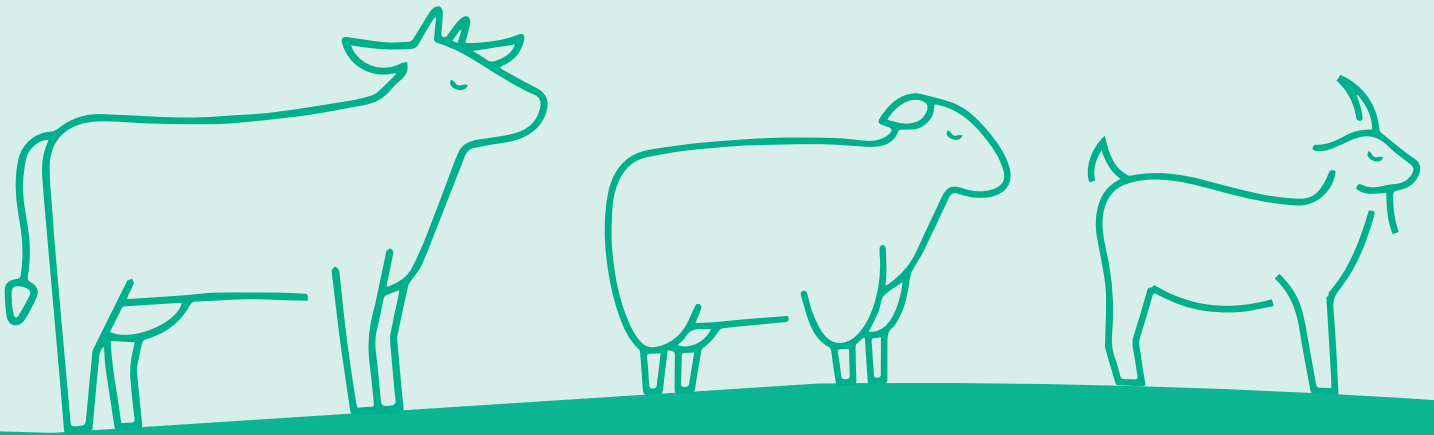
## ELISA

Sensitive and specific detection of antibodies directed against the pathogens of interest in different animal species thanks to kits validated according to the **French standards U47-310 and U47-019 (AFNOR).**




- ✓ **Monocouple kits in breakable strips.**
- ✓ **Ready-to-use** and colored reagents.
- ✓ **A tracer for every application.**

# RUMINANTS



# RUMINANTS LINE - MAJOR PATHOGENS

Real-time PCR reagents				
Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Ruminants pestivirus</b> (causative agent of Bovine Viral Diarrhea or Border Disease)	BIOTK042	Bio-T kit® BVDV/BDV Universal <i>Individual analysis and pool up to 25</i>	BVDV/BDV: FAM Exogenous IC: VIC Endogenous IPC: Cy5	100
	BIOTK090	<i>Validated by the French NRL BVD for dry and liquid ear biopsies and serum</i>		400 (4x100)
	BIOTK028	Bio-T kit® BTV all genotypes	BTV: FAM Endogenous IPC: Cy5	100
	BIOTK091	<i>Validated by the French NRL for BTV</i>		400 (4x100)
<b>Bluetongue virus</b> (causative agent of Bluetongue disease)	BIOTK031	Bio-T kit® BTV-1	BTV-1: VIC Endogenous IPC: Cy5	50
	BIOTK097	Bio-T kit® BTV-3 <i>Validated by the French NRL for BTV</i>	BTV-3: VIC Endogenous IPC: Cy5	50
	BIOTK029	Bio-T kit® BTV-4 <i>Validated by the French NRL for BTV</i>	BTV-4: VIC Endogenous IPC: Cy5	50
	BIOTK030	Bio-T kit® BTV-8 <i>Validated by the French NRL for BTV</i>	BTV-8: VIC Endogenous IPC: Cy5	50
<b>Epizootic hemorrhagic diseases virus</b>	BIOTK144	Bio-T kit® EHDV all genotypes	EHDV: FAM Endogenous IPC: Cy5	100
	BIOTK145	<i>Validated by the French NRL for BTV</i>		400 (4x100)
<b>Epizootic hemorrhagic diseases and bluetongue viruses</b>	BIOTK159	Bio-T kit® BTV & EHDV all genotypes	BTV: FAM EHDV: VIC Endogenous IPC: Cy5	100
	BIOTK160	<i>Under development</i>		400 (4x100)
<b>Lumpy skin disease virus</b> (causative agent of Lumpy skin disease)	BIOTK034 	Bio-T kit® Lumpy Skin Disease <i>Evaluated by the Pirbright Institute (UK)</i>	LSDV: FAM Endogenous IPC: Cy5	50
<b>Mycobacterium avium paratuberculosis</b> (causative agent of Paratuberculosis)	BIOTK050	Bio-T kit® <i>Mycobacterium avium paratuberculosis</i>	MAP: FAM Exogenous IPC: Cy5	100 (2x50)

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**Bacteria belonging to the *Mycobacterium tuberculosis* complex**

(causative agent of Tuberculosis)

BIOTK088

Bio-T kit® MTBC  
Short incubation available  
Validated by the French NRL for tuberculosis

MTBC: FAM  
Exogenous IPC: Cy5

100 (2x50)

**Schmallenberg virus**

BIOTK143

Bio-T kit® SBV  
Validated by the French NRL for BTV

SBV: FAM  
Endogenous IPC: Cy5

50

BIOTK032

100

**Peste des petits ruminants virus**

(causative agent of Ovine rinderpest)













BIOTK044 











Bio-T kit® Peste des Petits Ruminants  
Validated by CIRAD (FR)

PPRV: FAM  
Endogenous IPC: Cy5

50

**Real-Time PCR companion products**

Associated kit(s)	Reference		Name	Description
BIOTK028 BIOTK091	cARN-BTV-001		BTV all genotypes quantified RNA	48 x 10 <sup>4</sup> copies/ qRT-PCR 50 µL
BIOTK031	cARN-BTV1-001		BTV-1 quantified RNA	5 x 10 <sup>6</sup> copies/ qRT-PCR 50 µL
BIOTK097	cARN-BTV3-001		BTV-3 quantified RNA	7,5 x 10 <sup>4</sup> copies/ qRT-PCR 50 µL
BIOTK029	cARN-BTV4-002		BTV-4 quantified RNA	7,5 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
BIOTK030	cARN-BTV8-001		BTV-8 quantified RNA	5 x 10 <sup>6</sup> copies/ qRT-PCR 50 µL
BIOTK028 BIOTK030 BIOTK091	MRI-BTV8-001		MRI blood BTV all/ BTV-8	150 µL tube (1 test)
BIOTK050	SB-MAP-001		MAP titrated inactivated bacterial suspension	2 x 10 <sup>5</sup> GE/ mL 200 µL
BIOTK088	MRI-MTBC-001	 	MRI Lymph nodes spiked with titrated & inactivated strain <i>M. bovis</i>	5 x LD <sub>METHOD</sub> (4165 bacteria/ mL) 100 µL
	SB-MTBC-001		<i>M. bovis</i> titrated inactivated bacterial suspension	2,5 x 10 <sup>4</sup> bacteria/ mL 200 µL
	SB-MTBC-002-1		MTBC bacterial suspension	2,5 x 10 <sup>4</sup> bacteria/ mL 1 mL
	SB-MTBC-002-20		MTBC bacterial suspension	2,5 x 10 <sup>4</sup> bacteria/ mL 20 mL

<b>BIOTK042</b> <b>BIOTK090</b>	cARN-BVDV-001		BVDV/ BDV quantified RNA	48 x 10 <sup>4</sup> copies/ qRT-PCR 50 µL
	SV-BVDV-001		BVDV/BDV titrated viral suspension	1 x 10 <sup>4.5</sup> DICT50/ mL 500 µL
	SER-BVD-001		MRI serum BVDV (NED level)	1 to 100x LD <sub>METHOD</sub> 100 µL
	SG-BVD-001		MRI blood BVDV	1 to 100x LD <sub>METHOD</sub> 100 µL
	LFBA-BVD-001		MRI ear biopsies BVDV	1 BA/ Allflex tube
	LFBA-BVD-002-1		MRI ear biopsies BVDV	BA liquid format 1 mL
	LFBA-BVD-002-20		MRI ear biopsies BVDV	BA liquid format 20 mL
<b>BIOTK032</b>	cARN-SBV-001		SBV quantified RNA	4,69 x 10 <sup>4</sup> copies/ qRT-PCR 50 µL
<b>BIOTK044</b>	cARN-PPRV-001		PPRV quantified RNA	6 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
<b>BIOTK144</b> <b>BIOTK145</b>	cARN-EHDV-001		EHDV quantified RNA	1,5 x 10 <sup>6</sup> copies/ qRT-PCR 50 µL

## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
<b><i>Mycobacterium avium</i></b> <b><i>paratuberculosis</i></b> (causative agent of Paratuberculosis)	BIOLK002	BioLISA® kit MAP Ab <i>Individual serum</i>	Indirect ELISA	480 (5 plates)
	BIOLK020	BioLISA® kit MAP Ab V2 <i>Individual serum</i> <i>Currently being validated French NRL Paratuberculosis</i>	Indirect ELISA	480 (5 plates)

## ELISA companion products

Associated kit(s)	Reference	Name	Description
<b>BIOLK002</b>	ESTMAP001	BioLISA® MRI serum MAP <i>Individual serum</i>	500 µL tube (30 tests)
<b>BIOLK020</b>	ESTMAPB001	BioLISA® MRI serum MAP V2 <i>Individual serum</i>	500 µL tube (30 tests)



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# BLOOD LINE







## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
Blood parasites ruminants	BIOTK035	Bio-T kit® <i>Anaplasma phagocytophilum</i> & <i>Anaplasma marginale</i>	<i>A. phagocytophilum</i> : FAM <i>A. marginale</i> : VIC Endogenous IPC: Cy5	50
	BIOTK038 	Bio-T kit® <i>Anaplasma ovis</i> & <i>Mycoplasma ovis</i>	<i>A. ovis</i> : FAM <i>M. ovis</i> : VIC Endogenous IPC: Cy5	50
	BIOTK036	Bio-T kit® <i>Babesia spp</i> & <i>Theileria spp</i>	<i>Babesia</i> & <i>Theileria</i> : FAM Endogenous IPC: Cy5	50
	BIOTK078	Bio-T kit® <i>Besnoitia besnoiti</i>	<i>B. besnoiti</i> : FAM Endogenous IPC: Cy5	50
	BIOTK037	Bio-T kit® <i>Mycoplasma wenyonii</i>	<i>M. wenyonii</i> : FAM Endogenous IPC: Cy5	50
	BIOTK079 	Bio-T kit® OHV2	OHV2: FAM Endogenous IPC: Cy5	50

## Hyperthermia/ Anemia packs

Pathogen/ Disease	Reference	Number of pathogens	Description	Number of tests
Blood parasites ruminants	PACKBLOOD-4P	4	Pack Small ruminants hyperthermia & anemia : BIOTK035/ BIOTK038	50/ kit
	PACKBLOOD-4	4	Pack Bovine hyperthermia & anemia : BIOTK035/ BIOTK036/ BIOTK037	50/ kit
	PACKBLOOD-6	6	Pack Bovine hyperthermia & anemia : BIOTK035/ BIOTK036/ BIOTK037/ BIOTK079/ BIOTK078	50/ kit

## Real-Time PCR companion products

Associated kit(s)	Reference	Name	Description
BIOTK035	cADN-Amarg-001  	<i>A. marginale</i> quantified DNA	3,75 x 10 <sup>5</sup> GE/ qPCR 50 µL
	cADN-Aphag-001  	<i>A. phagocytophilum</i> quantified DNA	1,5 x 10 <sup>6</sup> copies/ qPCR 50 µL
BIOTK078	MRI-besno-001  	MRI blood <i>B. besnoiti</i>	100 µL tube (1 test)


## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
<b><i>Besnoitia besnoiti</i></b> (causative agent of Besnoitiosis)	BIOLK009	BioLisa® kit <i>Besnoitia</i> Ab <i>Individual serum and pool up to 10</i> Validated by the French Expert Laboratory Besnoitiosis for individual serum and in progress for pool	Indirect ELISA	480 (5 plates)

## ELISA companion products

Associated kit(s)	Reference	Name	Description
BIOLK009	ESTBES001	BioLisa® MRI serum <i>Besnoitia</i> <i>Individual serum</i>	250 µL tube (20 tests)
	EMTBES001	BioLisa® MRI serum <i>Besnoitia</i> <i>Pool of 10</i>	500 µL tube (20 tests)

## Real-time PCR reagents





Pathogen/ Disease	Reference	Name	Filters	Number of tests
	BIOTK048	Bio-T kit® BHV4	BHV4: FAM Endogenous IPC: VIC	50
	BIOTK069	Bio-T kit® <i>Campylobacter fetus</i>	<i>C. fetus</i> : VIC Endogenous IPC: Cy5	50
	BIOTK017 	Bio-T kit® <i>Chlamydiaceae</i>	<i>Chlamydiaceae</i> : FAM Endogenous IPC: VIC	50
	BIOTK019	Bio-T kit® <i>Chlamydia abortus</i>	<i>C. abortus</i> : FAM Endogenous IPC: VIC	50
	BIOTK016	Bio-T kit® <i>Coxiella burnetii</i> <i>Validated by the French NRL for Q Fever</i>	<i>C. burnetii</i> : FAM Endogenous IPC: VIC	50
	BIOTK039	Bio-T kit® <i>Coxiella burnetii</i> & <i>Chlamydia abortus</i> <i>Validated by the French NRL for Q Fever</i>	<i>C. burnetii</i> : FAM <i>C. abortus</i> : VIC Endogenous IPC: Cy5	50
	BIOTK046	Bio-T kit® Leptospires pathogènes	Leptospires: FAM Endogenous IPC: VIC Exogenous IC: Cy5	50
	BIOTK045	Bio-T kit® <i>Listeria monocytogenes</i>	<i>L. monocytogenes</i> : FAM Endogenous IPC: VIC	50
	BIOTK057	Bio-T kit® <i>Neospora caninum</i>	<i>N. caninum</i> : FAM Endogenous IPC: VIC	50
	BIOTK047	Bio-T kit® <i>Salmonella spp</i>	<i>Salmonella</i> : FAM Endogenous IPC: VIC Exogenous IC: Cy5	50
	BIOTK049	Bio-T kit® <i>Toxoplasma gondii</i>	<i>T. gondii</i> : FAM Endogenous IPC: VIC	50

Pathogens  
responsible for  
reproductive  
disorders in  
ruminants

## Abortion packs to be made to measure

Pathogen/ Disease	Reference	Number of pathogens	Description	Number of tests
Pathogens responsible for reproductive disorders in ruminants	PACKAB-6	6	Bio-T kit® to choose among REPRO and BLOOD lines	50/ kit
	PACKAB-7	7		50/ kit
	PACKAB-8	8		50/ kit
	PACKAB-9	9		50/ kit
	PACKAB-10	10		50/ kit
	In option		Bio-T kit® BVDV/ BVD Universal	100

## Real-Time PCR companion products

Associated kit(s)	Reference	Name	Description
BIOTK039	ADN-Chab-001 	<i>C. abortus</i> quantified DNA	15 x 10 <sup>4</sup> copies/ qPCR 50 µL
	ADN-FQ-001 	<i>C. burnetii</i> quantified DNA	6 x 10 <sup>3</sup> copies/ qPCR 50 µL
BIOTK016 BIOTK039	MRSI-FQ01  	Titrated bacterial suspension <i>C. burnetii</i>	1 x 10 <sup>4</sup> GE/ mL 450 µL tube (2 tests)

## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
Pathogens responsible for reproductive disorders in ruminants	BIOLK006	BioLisa® Kit <i>Neospora</i> Ab <i>Individual serum</i>	Indirect ELISA	192 (2 plates)
	BIOLK012			480 (5 plates)

## ELISA companion products

Associated kit(s)	Reference	Name	Description
BIOLK006 BIOLK012	ESTNEO001	BioLisa® MRI serum <i>Neospora</i> <i>Individual serum</i>	250 µL tube (40 tests)

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# RESPIRATORY LINE









## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
Pathogens responsible for respiratory disorders in ruminants	BIOTK098	Bio-T kit® BHV1 DIVA	BHV1 gB: FAM BHV1 gE: VIC Endogenous IPC: Cy5	50
	BIOTK106	Bio-T kit® BVDV & BHV1gE	BVDV/BDV: FAM BHV1 gE: VIC Endogenous IPC: Cy5	50
	BIOTK051	Bio-T kit® <i>Mannheimia haemolytica</i> & <i>Pasteurella multocida</i>	<i>M. haemolytica</i> : FAM <i>P. multocida</i> : VIC Endogenous IPC: Cy5	50
	BIOTK052	Bio-T kit® <i>Mycoplasma bovis</i> & <i>Histophilus somni</i>	<i>M. bovis</i> : FAM <i>H. somni</i> : VIC Endogenous IPC: Cy5	50
	BIOTK142	Bio-T kit® Bovine Coronavirus & Influenza D V2	Coronavirus: FAM Influenza D: VIC Endogenous IPC: Cy5	50
	BIOTK054	Bio-T kit® BoRSV & PI3	BoRSV: FAM PI3: VIC Endogenous IPC: Cy5	50

## Respiratory disease packs

Pathogen/ Disease	Reference	Number of pathogens	Description	Number of tests
Pathogens responsible for respiratory disorders in ruminants	PACKRESP-4B	4	Pack Bovine Respiratory bacteria BIOTK051 / BIOTK052	50/ kit
	PACKRESP-4	4	Pack Bovine Respiratory viruses BIOTK142 / BIOTK054	50/ kit
	PACKRESP-8	8	Pack Bovine Respiratory BIOTK051 / BIOTK052 / BIOTK142 / BIOTK054	50/ kit

## Real-Time PCR companion products

Associated kit(s)	Reference	Name	Description
BIOTK051	cADN-Mh-001	 <i>M. haemolytica</i> quantified DNA	3 x 10 <sup>5</sup> copies/ qPCR 50 µL
	cADN-Pm-001	 <i>P. multocida</i> quantified DNA	3,7 x 10 <sup>5</sup> copies/ qPCR 50 µL
BIOTK052	cADN-Myb-001	 <i>M. bovis</i> quantified DNA	3 x 10 <sup>5</sup> copies/ qPCR 50 µL
	cADN-Hss-001	 <i>H. somni</i> quantified DNA	3 x 10 <sup>5</sup> copies/ qPCR 50 µL
BIOTK053	cARN-BCoV-001	 BCoV quantified RNA	6 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
	cARN-FluD-002	 FluD quantified RNA	6 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
BIOTK054	cARN-BoRSV-001	 BoRSV quantified RNA	1,5 x 10 <sup>6</sup> copies/ qRT-PCR 50 µL
	cARN-PI3-001	 PI3 quantified RNA	1,5 x 10 <sup>6</sup> copies/ qRT-PCR 50 µL

## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
<b>Pathogens responsible for respiratory disorders in ruminants</b>	703083	BioLisa® kit IBR gB Ab <i>Individual serum</i> Validated by the French NRL IBR	Competition ELISA	480 (5 plates)


## ELISA companion products

Associated kit(s)	Reference	Name	Description
703083	ESTIBR001	BioLisa® MRI serum IBR <i>Individual serum</i>	1 mL tube (15 tests)





# STOOL LINE

## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
Pathogens responsible for digestive and respiratory disorders detectable in faeces in ruminants	BIOTK075	Bio-T kit® Coronavirus & Rotavirus bovins	Coronavirus: FAM Rotavirus A&C: VIC Exogenous IPC: Cy5	50
	BIOTK096 	Bio-T kit® <i>Dictyocaulus viviparus</i>	<i>D. viviparus</i> : FAM Exogenous IPC: Cy5	50

## Real-Time PCR companion products

Associated kit(s)	Reference	Name	Description
BIOTK075	cARN-bCor-001 	Bovine coronavirus quantified RNA	1,2 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
	cARN-RotA-001 	Rotavirus A quantified RNA	2,4 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL

# MILK LINE

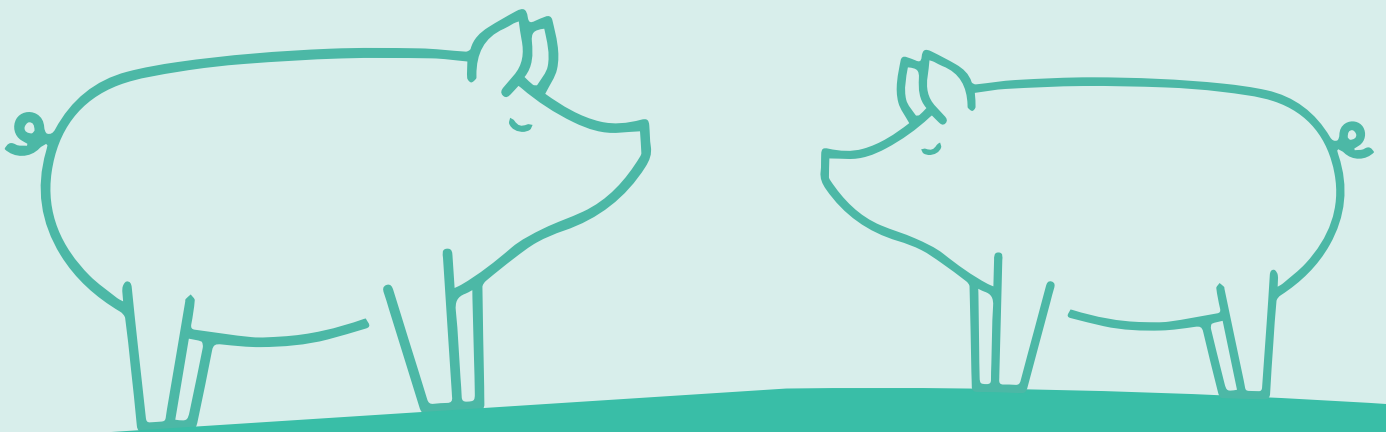
## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
<i>Treponema phagedenis</i> (causative agent of digital dermatitis)	BIOLK015	BioLisa® kit Bovine Digital Dermatitis Ab	Indirect ELISA	192 (2 plates)
	BIOLK016	<i>Large pools of milk</i>		480 (5 plates)








## ELISA companion products

Associated kit(s)	Reference	Name	Description
BIOLK015 BIOLK016	ELTBDD001	BioLisa® MRI milk Digital Dermatitis - Moderate prevalence	Freeze-dried milk (100 tests)
	ELTBDD002	BioLisa® MRI milk Digital Dermatitis - Low prevalence	Freeze-dried milk (100 tests)

# PIGS



# PIG LINE

Real-time PCR reagents				
Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Porcine circovirus</b> (causative agent of piglet wasting disease)	BIOTK072	Bio-T kit® PCV2 & PCV3	PCV2: FAM PCV3: VIC Exogenous IPC: Cy5	50
	BIOTK073			100 (2x50)
<b>Porcine coronavirus</b>	BIOTK002 	Bio-T kit® PEDV all & PEDV HV (High virulent)	PEDV all: FAM PEDV HV: VIC Exogenous IPC: Cy5	50
	BIOTK003 	Bio-T kit® PEDV all & TGEV	PEDV all: FAM TGEV: VIC Exogenous IPC: Cy5	50
	BIOTK006	Bio-T kit® PEDV all & TGEV & PDCoV <i>Thermal cyclers having the ABY channel are required</i>	PEDV all: FAM TGEV: VIC PDCoV: ABY Exogenous IPC: Cy5	50
	BIOTK004 	Bio-T kit® TGEV & PRCV	PRCV & TGEV: FAM TGEV: VIC Exogenous IPC: Cy5	50
<b>Influenza virus</b> (causative agent of Swine Flu)	BIOTK139	Bio-T kit® Avian & Swine Influenza Virus V2	ASIV: FAM Exogenous IC: VIC Endogenous IPC: Cy5	100 (2x50)
	BIOTK084	Bio-T kit® ASFV <i>Validated by the French NRL for CSFV &amp; ASFV</i>	ASFV: VIC Endogenous IPC: Cy5	50
	BIOTK085			100 (2x50)
<b>Pathogens responsible of swine fever</b> (CSFV: Classical swine fever; ASFV: African swine fever)	BIOTK131 	Bio-T kit® ASFV Universal <i>Validated by Spanish NRL (INIA)</i>	ASFV: FAM Exogenous IC: VIC Endogenous IPC: Cy5	100
	BIOTK132 			400 (4x100)
	BIOTK058	Bio-T kit® CSFV <i>Validated by the French NRL for CSFV &amp; ASFV</i>	CSFV: FAM Endogenous IPC: Cy5	50
	BIOTK060			100 (2x50)
	BIOTK074  	Bio-T kit® CSFV & ASFV	CSFV: FAM ASFV: VIC Endogenous IPC: Cy5	100 (2x50)

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<b>PRRSV</b> (causative agent of Porcine Respiratory and Reproductive Syndrome)	BIOTK040	Bio-T kit® PRRSV	PRRSV EU: FAM PRRSV NA: VIC Exogenous IPC: Cy5	100
	BIOTK077	Bio-T kit® PRRSV DIVA Pour vaccin Suvaxyn® PRRS MLV	PRRSV EU other than Suvaxyn®: FAM Vaccine strain Suvaxyn®: VIC Exogenous IPC: Cy5	50
	BIOTK086			100 (2x50)
<b>Toxin A of <i>P. multocida</i></b> (causative agent of atrophic rhinitis)	BIOTK056 	Bio-T kit® <i>Pasteurella multocida</i> toxinogène A (Tox A)	PMTA: FAM Exogenous IPC: Cy5	50

### Porcine circovirus packs


Pathogen/ Disease	Reference	Use	Description	Number of tests
<b>Porcine circovirus</b> (causative agent of piglet wasting disease)	PACKQUANTPCVS	Absolute quantification of PCV2 & PCV3	BIOTK072, cADN-PCV2-001, cADN-PCV3-001	50
	PACKQUANTPCVL		BIOTK073, cADN-PCV2-001, cADN-PCV3-001	100 (2x50)

### Real-Time PCR companion products

Associated kit(s)	Reference	Name	Description
<b>BIOTK072</b> <b>BIOTK073</b>	cADN-PCV2-001 	PCV2 quantified DNA	1 x 10 <sup>6</sup> copies/ qPCR 50 µL
	cADN-PCV3-001 	PCV3 quantified DNA	1 x 10 <sup>6</sup> copies/ qPCR 50 µL
	MRSI-PCV2-001 	MRSI blood PCV2	1 x 10 <sup>6</sup> GE/ mL 100 µL tube (1 test)
	MRSI-PCV3-001 	MRSI blood PCV3	1 x 10 <sup>6</sup> GE/ mL 100 µL tube (1 test)
<b>BIOTK002</b>	cARNPEDVHV-001 	PEDV HV quantified RNA	7,5 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
<b>BIOTK002</b> <b>BIOTK003</b> <b>BIOTK006</b>	cARNPEDVall-001 	PEDV all quantified RNA	7,5 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL

<b>BIOTK003</b> <b>BIOTK006</b> <b>BIOTK004</b>	cARN-TGEV-001		TGEV quantified RNA	3,75 x 10 <sup>6</sup> copies/ qRT-PCR 50 µL
<b>BIOTK006</b>	cARN-PDCoV-001		PDCoV quantified RNA	7,5 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
<b>BIOTK004</b>	cARN-PRCVN-001		TGEV & PRCV quantified RNA	7,5 x 10 <sup>6</sup> copies/ qRT-PCR 50 µL
<b>BIOTK074</b>	cADN-ASFV-001	 	ASFV quantified DNA	1,5 x 10 <sup>4</sup> copies/ qPCR 50 µL
<b>BIOTK074</b> <b>BIOTK058</b> <b>BIOTK060</b>	cARN-CSFV-001	 	CSFV quantified RNA	6 x 10 <sup>4</sup> copies/ qRT-PCR 50 µL
<b>BIOTK131</b> <b>BIOTK132</b>	MRI-ASFV-002	 	MRI serum ASFV (inactivated)	500 µL tube (5 tests)
<b>BIOTK040</b> <b>BIOTK077</b> <b>BIOTK086</b>	cARNPRRSVEU-002		PRRSV EU quantified RNA	6 x 10 <sup>4</sup> copies/ qRT-PCR 50 µL
	cARNPRRSVNA-002		PRRSV NA quantified RNA	12 x 10 <sup>4</sup> copies/ qRT-PCR 50 µL
	MRI-PRRSV-001		MRI serum PRRSV EU/NA	10 à 100x LD <sub>METHOD</sub> 200 µL tube (2 tests)
	SV-PRRSV-EU-002		PRRSV EU titrated viral suspension	1 x 10 <sup>3</sup> DICT50/ mL 100 µL
	SV-PRRSV-NA-002		PRRSV NA titrated viral suspension	1 x 10 <sup>4.9</sup> DICT50/ mL 100 µL
<b>BIOTK077</b> <b>BIOTK086</b>	cARNPRRSVEU-003		PRRSV EU other than Suvaxyn® quantified RNA	1,2 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL
	cARNPRRSVVAC-001		Vaccine strain Suvaxyn® quantified RNA	1,2 x 10 <sup>5</sup> copies/ qRT-PCR 50 µL

## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
<b>PRRSV</b> (causative agent of Porcine Respiratory and Reproductive Syndrome)	PT272753F 	pigtype® PRRSV Ab FPS* <i>Individual serum, and pool of sera up to 5, individual filter paper, and pool of filter papers up to 5</i>	Indirect ELISA	480 (5 plates)
	BIOLK017	BioLisa® kit Influenza A blocking Ab	Competition ELISA	192 (2 plates)
<b>Influenza virus</b> (causative agent of swine Influenza)	BIOLK018			480 (5 plates)

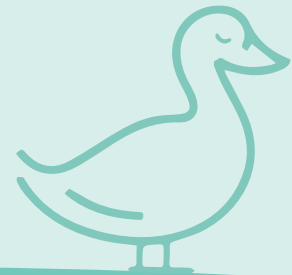
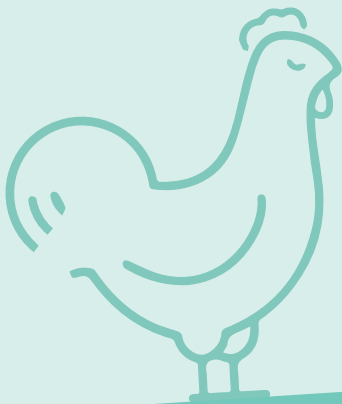
\* This kit is developed jointly, within the framework of a partnership between BIOSELLAL and INDICAL.

## ELISA companion products

Associated kit(s)	Reference	Name	Description
<b>PT272753F</b>	ESTPRRSV001	MRI serum PRRSV <i>Individual serum</i>	250 µL tube (40 tests)
	EFPTPRRSV001	MRI filter paper PRRSV <i>Individual filter paper</i>	10 filter papers (2/ tube) (5 tests)
	EFPTPRRSV002	MRI filter paper PRRSV <i>Pool of filter papers (up to 5)</i>	25 filter papers (5/ tube) (5 tests)
	ESTPRRSV002	MRI serum PRRSV <i>Pool of sera (up to 5)</i>	250 µL tube (40 tests)






# AVIAN




# AVIAN LINE

## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Influenza virus</b> (causative agent of Avian Flu)	BIOTK139	Bio-T kit® Avian & Swine Influenza Virus V2 <i>Validated by the French NRL for Avian Influenza</i>	ASIV: FAM Exogenous IC: VIC Endogenous IPC: Cy5	100 (2x50)
	BIOTK140	Bio-T kit® AIV genotypes H5 & H7 V2 <i>Validated by the French NRL for Avian Influenza</i>	H5: FAM H7: VIC	50
	BIOTK141		Endogenous IPC: Cy5 Exogenous IC: Texas Red	100 (2x50)
	BIOTK083	 Bio-T kit® AIV genotype H9	H9: FAM Exogenous IPC: Cy5	50
<b>Infectious bursitis virus</b> (causative agent of Gumboro disease)	BIOTK081	 Bio-T kit® IBDV	IBDV: FAM Exogenous IC: VIC Endogenous IPC: Cy5	100
<b>Newcastle virus disease</b>	BIOTK089	 Bio-T kit® NDV	NDV: FAM Exogenous IC: VIC Endogenous IPC: Cy5	100

## Real-Time PCR companion products

Associated kit(s)	Reference	Name	Description
BIOTK076 BIOTK0139 BIOTK082 BIOTK140 BIOTK141	MRI-AIV-001 	MRI Tracheal swab positive for ASIV and doubly positive for H5 and H7	20 x LD <small>METHOD</small> BioSellal for ASIV 1 x LD <small>METHOD</small> BioSellal for H5 10 x LD <small>METHOD</small> BioSellal for H7



## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
Influenza virus (causative agent of Avian Flu)	BIOLK017	BioLisa® kit Influenza A blocking Ab	Competition ELISA	192 (2 plates)
	BIOLK018	Validated by the French NRL for Avian Influenza		480 (5 plates)

## ELISA companion products


Associated kit(s)	Reference	Name	Description
BIOLK017 BIOLK018	ESTINF001	BioLisa® MRI serum Avian Influenza <i>Individual serum</i>	1 mL tube (15 tests)



# OTHER SPECIES/ PRODUCTS





# ALL SPECIES

## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Pathogens responsible for Lyme borreliosis</b>	qPCRPREM011 	qPCR-Premium® <i>Borrelia burgdorferi sensu lato</i>	<i>B. burgdorferi</i> : FAM Exogenous IPC: Cy5	25

## EQUINE

## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Piro-Like* syndrome</b>	qPCRPREM009 	qPCR-Premium® <i>Babesia caballi</i> - <i>Theileria equi</i>	<i>B. caballi</i> : FAM <i>T. equi</i> : VIC Endogenous IPC: Cy5	25
	qPCRPREM010 	qPCR-Premium® <i>Anaplasma phagocytophilum</i>	<i>A. phagocytophilum</i> : FAM Endogenous IPC: Cy5	25
<b>Influenza virus</b>	qPCRPREM012 	qPCR-Premium® EIV	EIV: FAM Endogenous IPC: Cy5	25
<b>Herpes Virus type 1 and 4</b>	qPCRPREM013 	qPCR-Premium® EHV-1 & EHV-4	EHV-1: FAM EHV-4: VIC Endogenous IPC: Cy5	25


\* To complete the Piro-Like diagnostic, add qPCRPREM0011 (qPCR-Premium® *Borrelia burgdorferi sensu lato*) and BIOTK046 (Bio-T kit® *Leptospire*s pathogènes).

## ELISA reagents

Pathogen/ Disease	Reference	Name	Method	Number of tests
<b>Influenza virus</b> (causative agent of equine Influenza)	BIOLK017	BioLisa® kit Influenza A blocking A	ELISA compétition	192 (2 plates)
	BIOLK018			480 (5 plates)


# CANINE

## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Pathogens responsible for the canine Leishmaniose</b>	qPCRPREM015 	qPCR-Premium® <i>Canine Leishmania</i>	<i>L. donovani</i> : FAM Endogenous IPC: Cy5	25





# PHYTO

## Real-time PCR reagents


Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Detection of phytoplasmas of the vine</b>	qPCRPREM019 	qPCR Premium® Flavescence dorée & Bois noir	FD: FAM BN: VIC Endogenous IPC: Cy5	50

# FOOD

## Real-time PCR reagents

Pathogen/ Disease	Reference	Name	Filters	Number of tests
<b>Detection of toxin botulinum genes</b>	BIOTK062 	Bio-T kit® BoNT A & F	Tox A: FAM Tox F: VIC Exogenous IPC: Cy5	50
	BIOTK063 	Bio-T kit® BoNT B & E	Tox B: FAM Tox E: VIC Exogenous IPC: Cy5	50
	BIOTK064 	Bio-T kit® BoNT C & D	Tox C: FAM Tox D: VIC Exogenous IPC: Cy5	50
	BIOTK065 	Bio-T kit® BoNT G	Tox G: FAM Exogenous IPC: Cy5	50

## Botulinum toxin pack

Pathogen/ Disease	Reference	Number of toxins	Description	Number of tests
Detection of toxin botulinum genes	BIOTK061	 7	Bio-T kit® BoNT all types: BIOTK062/ BIOTK063/ BIOTK064/ BIOTK065	50

## PCR REACTION MIX

### Exogenous internal positive control reaction mix

Description	Reference	Name	Filters	Number of tests	
Detection system	MxIPC-A	Reaction mix containing the primers and probes for the detection of BioSella exogenous IPC	Cy5	50	
	MxIPC-B		VIC	50	
<b>For DNA pathogens</b>					
Synthetic DNA/ RNA	IPC-A	1X synthetic DNA to add during extraction or in the Master Mix		50	
	IPC-B	5X synthetic DNA to add during extraction or in the Master Mix		50	
	<b>For RNA pathogens</b>				
	IPCRNA-A	1X synthetic RNA to add during extraction or in the Master Mix		50	
	IPCRNA-B	5X synthetic RNA to add during extraction or in the Master Mix		50	
Master Mix	MMADNBS	Master Mix DNA 2x qPCR		50	
	MMARNBS	Master Mix RAN OneStep 2x qRT-PCR		50	



# EXTRACTION & CONSUMABLES

# EXTRACTION & CONSUMABLES

DNA/RNA extraction solutions			
Description	Reference	Name	Number of tests
Extraction on columns	BEC050	BioExtract® Column 50	50
	BEC250	BioExtract® Column 250	250
Extraction by magnetic beads	BES384	BioExtract® SuperBall® <i>for KingFisher™, PurePrep 96 or equivalent Plastics included for plate 96</i>	384
	BES384WO	BioExtract® SuperBall® <i>for KingFisher™, PurePrep 96 or equivalent Without plastic</i>	384
Rapid Lysis (Bio-T kit® BVDV/ BVD Universal) validated for pool up to 10 ear biopsies	TLF10ML	Flash Lysis buffer 1 x 10 mL	for the lysis of 100 individual biopsies
	TLF50ML	Flash Lysis buffer 5 x 10 mL	for the lysis of 500 individual biopsies
	TLF100ML	Flash Lysis buffer 1 x 100 mL	for the lysis of 1000 individual biopsies
Rapid Lysis (Bio-T kit® BVDV/ BVD Universal) validated for pool up to 25 ear biopsies	IVL10ML	Instant Viral Lysis 1 x 10 mL	for the lysis of 100 individual biopsies
	IVL50ML	Instant Viral Lysis 5 x 10 mL	for the lysis of 500 individual biopsies
	IVL100ML	Instant Viral Lysis 1 x 100 mL	for the lysis of 1000 individual biopsies
Equipment for Rapid Lysis for ear biopsies (Bio-T kit® BVDV/ BVD Universal)	BTLFSBH130	Analogic dry bath STUART 130°C adapted to BTLF	1 unit
	BTLFSBH130D	Digital dry bath STUART 130°C adapted to BTLF	1 unit
	BTLF	Thermal block for Flash Lysis adapted to dry baths and dry collection tubes (ear biopsies)	1 unit

## Pretreatment consumables

Description	Reference	Name	Conditioning
<b>Pretreatment consumables for Bio-T kit® MTBC</b>	116914100	Lysing matrix E	100
<b>Pretreatment kit for the Bio-T kit® Mycobacterium avium paratuberculosis</b>	BPMAP01	Pack containing the references PREPMAP1 and PREPMAP2	50
	BPMAP-EP	Pack containing the references PREPMAP1 and PREPMAP2 (Eppendorf tubes)	50
	BPMAP01-1F	Pack containing the references PREPMAP1-1F and PREPMAP2	50
	PREPMAP1	60 mL screw-top jars containing 6 glass beads	50
	PREPMAP1-1F	50 mL conical bottom tubes containing 6 glass beads	50
	PREPMAP2	2 mL tubes containing 2 glass beads and zirconium powder	50
<b>Pretreatment kit for the Bio-T kit® Coronavirus &amp; Rotavirus bovins</b>	PREPbCR	12 mL conical bottom tubes containing 2 glass beads	50
<b>Lysis Buffer</b>	ATL19076	ATL buffer	200 mL

## Extraction consumables

Description	Reference	Name	Conditioning
<b>Plastiques KingFisher™ Flex, 96, PurePrep 96 or equivalent</b>	KF96RC-003	96-Rod Cover	60
	KF96MP-001	Microplate elution 96 wells 0,2 mL	60
	KF96DW-002	Well V bottom 96 wells 2 mL	50
<b>Magnetic beads extraction consumables + Rapid Lysis for ear biopsies (Bio-T kit® BVDV/ BVD Universal)</b>	4ti-0550	Aluminum adhesive films	100 films



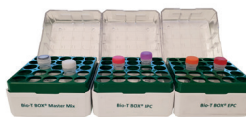
## PCR consumables

Adapted thermal cyclers	Reference	Name	Conditioning
<b>ABI 7500Fast, QuantStudio5</b>	4ti-0912	96-Frosted well semi-skirted PCR plate	50
<b>ABI 7500Fast, AriaMx™, CFX96</b>	4ti-1200/G	Breakable PCR plate in 12 strips of 8 wells for 0,1 mL block (low profile)	50
<b>ABI 7500, QS5, MX300P-3005P</b>	4ti-1000/G	Breakable PCR plate in 12 strips of 8 wells for 0,2 mL block	50
<b>ABI 7500, QS5, MX300P-3005P</b>	4ti-0770/G	96-well semi-skirted PCR plate	50
<b>AriaMx™</b>	4ti-0563	Compression Pad	5
<b>AriaMx™, CFX96</b>	4ti-0960/G	96-well skirted PCR plate	50
<b>QS5-384</b>	4ti-0387	384-well skirted PCR plate	50
<b>All</b>	4ti-0755	8-Cap strip	300
<b>All</b>	4ti-0560	Optical adhesive films for qPCR	100

## COOLING RACKS & STORAGE BOXES

### Cold racks & storage boxes

Name	Reference	Description
Bio-T PCR Cooler	BIOTPCRCOOLER	Cold rack holding the 96 plate at < 4°C for 3h
Bio-T Master Mix Cooler	BIOTMMCOOLER	Cold rack holding the Master Mix tube at < 4°C for 3h
Bio-T Box	BIOTBOX	Tube storage box for Bio-T kit® at < - 20°C
Bio-T Rack	BIOTRACK	Storage rack for Bio-T kit® pour freezer



# BIOSELLAL IS A DISTRIBUTEUR OF BMS' MIC & MYRA DEVICES



## ABOUT THE MIC

- ✓ Mic is the most compact real-time PCR thermal cycler on the market with a weight of only 2kg.
- ✓ Easy to use, it requires no calibration and no maintenance.
- ✓ The compatibility between the Mic and our PCR kits guarantees you rapid qPCR results with an excellent level of sensitivity.



## ABOUT THE MYRA

- ✓ Myra is a liquid handling system capable of pipetting volumes between 1  $\mu$ L and 50  $\mu$ L, and preparing a PCR plate in less than 5 minutes.
- ✓ It supports all formats (Deep well plates, qPCR plates, tubes...).
- ✓ It is compatible with all PCR thermal cyclers (96 or 384 wells) and combine perfectly with the Mic.

# OUR TECHNICAL PLATFORM

At the service of health, our technical platform makes it possible to develop, validate and produce reagents dedicated to real-time PCR and ELISA analyses. It integrates a complete chain of traceability of samples and operates by the quality standards applicable to our activities. We also offer a sequencing service, viral and bacterial strains, for the technical assistance of our customers as well as the validation and epidemiological monitoring of circulating strains.

## OUR EQUIPMENT

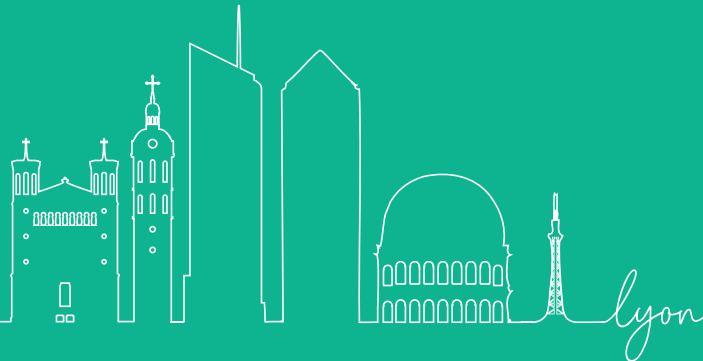
- ✓ Molecular biology and ELISA laboratories.
- ✓ Nucleic acid extraction machines:  
**PurePrep 96** and **KingFisher™ Flex 96**.
- ✓ A fleet of thermal cyclers:  
**AriaMx™** (Agilent Technologies), **ABI PRISM® 7500 fast™** (Applied BioSystems), **QuantStudio™ 5** (Applied BioSystems™), **MIC** (BioMolecular System), **CFX96™** (Bio-Rad), and **Light Cycler® 480 / 96** (Roche Diagnostics)
- ✓ Production devices
- ✓ Equipment for NGS sequencing:  
**MiSeq™** (Illumina), and **GridION NGS** (Oxford Nanopore Technologies)



WE THANK YOU  
FOR YOUR TRUST !



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