

A local mixed economy firm with a capital investment of €600,000 Espace Duhesme 18 rue de Flacé - CS32209 71009 MACON Cedex, France

Tel. +33 (0)3.85.33.52.20 Fax +33 (0)3.85.33.52.25 email: contact@agrivalys71.fr

TESTS Rumir	BY PATHC	DLOGY		
	Method			Matrix
		A <i>naplasma phagocytophilum</i> and <i>A. marginale)</i> ector-borne diseases packages)		
	PCR	Individual		Whole blood
		pesia spp. / Theileria spp.)		
See ve	PCR	diseases packages) Individual		Whole blood
Besno	oitiosis <i>(B</i> e	esnoitia besnoiti)		
©		Individual		
	ELISA	Pool - 10 samples maximum		Serum
	PCR	Individual		Whole blood
BHV4	- Bovine h	erpes virus 4		
	ELISA	Antibody - Individual		_
An	alysis outsourc	ed to an external laboratory		Serum
	PCR	Virus - Individual		Cervical smear, aborted fetus, lung
Blue t	onque (BT	V) Antibodies		
© ©	ELISA	Individual From 1 to 9 samples Individual Starting with 10 samples		Serum
Blue t	ongue (BT			
	PCR	Individual on organs (Preparation and extraction included)		Organ
©	PCR	Individual - Clinical suspicion		Whole blood
©		Individual (1 to 20 samples)		
©	PCR	Individual (21 to 199 samples)		Whole blood
©		Individual (from 200 samples)	-	
Ô	DOD	Typing of BTV-8 strain - Individual	-	
© ©	PCR	Typing of BTV-4 strain - Individual	-	Whole blood
\bigcirc		Typing of BTV-4 & BTV-8 strain - Individual		

 Bovine Coronavirus (see respiratory or neonatal pathologies packages)

 Brucella Antibodies
 Individual

 ©
 RBT
 Individual Annual prophylaxis for sheep and goats

 ©
 Individual Annual prophylaxis
 Serum

	Complement			
	fixation test	Individual		
		ed to an external laboratory accredited by COFRAC. 1198. Scope available at www.cofrac.fr/en		
Bruce	ella ovis An	tibodies		
		Individual 1 to 9 samples		
	ELISA	Individual		Serum
		From 10 samples		
BVD -	BDV Antib	odies (Anti p80/ NS2-3 + total antibodies)		
©				
	ELISA	1 to 9 samples Individual	-	Serum
©	LLIGA	From 10 samples		Seluin
C		Pool - 10 samples maximum		
BVD -	BDV (Virus	s)		
©	PCR	Individual diagnosis		
©	PCK	Retest following a positive result		
		Inter-herd pool of 10 samples maximum, with		Serum
©		individual reanalysis from positive pools (purchases,		Seluin
	PCR	sales, competitions, etc.)		
©		Intra-herd pool of 10 samples maximum, with individual reanalysis of positive pools (sanitation,		
Ŭ		operator's request)		
				Organ, TTV BAL, NPS, m
	PCR	Individual		spleen of th
		Pool of 10 samples with individual reanalysis from	_	fetus
C	PCR	positive pools		Biopsy of e
©	ELISA	ELISA E0 Individual test		Serum
	Antibodies			
	Antiboules	Individual		
C	ELISA	1 to 9 samples		Serum
©		Individual From 10 samples		
Camp	ylobacter f	etus		- · · ·
	PCR	Individual		Cervical o preputial sm
01-1		and Oblematic charters	_	
Gniain		and Chlamydia abortus		
	ELISA	Chlamydiaceae (Chlamydia spp.)		Serum
	PCR	Chlamudiaceae (Chlamudia con)		Cervical sme Aborted fetu
	FUR	Chlamydiaceae (Chlamydia spp.)		milk
	PCR	Chlamydia abortus		Aborted fetu milk
©	PCR	Chlamydia abortus		Cervical sme
S	I OIX			

E. coli (Escherio	chia coli)		
	E.coli enumeration		
	Screening for E.coli	1	Feces
Culture	Identification of <i>E.coli</i>	1	reces
	Screening for E.coli + identification + serotyping		
	Serotyping of strain of <i>E.coli</i>		Strain

Enzog	otic Bovine	e Leukosis - Antibodies	
©	ELISA	Individual Prophylaxis or control analyses	Serum
©	ELISA	Pool of maximum 10 sera Annual prophylaxis	Selum
Giard	ia intestin	alis	
	IC	Individual	Feces
Histo	philus son	nni (see respiratory pathologies packages)	
Нуро	dermosis /	Antibodies	
©	ELISA	Individual	Serum
©	LLIOA	Pool - maximum 10 samples	Jerum
BR -	BHV-1 Ant	ibodies	
©		Individual - total antibodies	
©		Individual - anti-gB antibodies	
©	ELISA	Individual - anti-gE antibodies	Serum
©		Pool of maximum 10 sera - total antibodies	
©		Pool of maximum 10 sera - total antibodies Annual prophylaxy	
BR -	BHV-1 Viru	us (see respiratory pathologies packages)	
	PCR	Individual	Organs
nflue	nza D (see	e respiratory pathologies packages)	
_epto	spirosis		
	MAT	Individual Detection of antibodies	Serum
	PCR	Detection of pathogenic bacteria	Cervical sm organs, wh blood, liv spleen, kic

Culture	Screening for Listeria		Organ
Culture	Identification of Listeria		Strain
iver fluke <i>(Fas</i>	ciola hepatica)		
	Individual (Idexx Kit)		Serum
	Pool of up to 10 sera (Idexx kit)		Serum
ELISA	Individual (Svanova kit)	5	Serum, milk
	Pool of up to 10 sera (Svanova kit)		Serum
	Bulk tank milk (Svanova kit)		Milk
lalignant Catha	arrhal Fever (OHV-2)		
PCR	Individual	v	Vhole blood
/laedi-Visna Ar	ntibodies		
	Individual		

	Individual 1 to 9 samples	
ELISA	Individual From 10 samples	Serum
ELISA	Pool of a maximum 5 sera 1 to 9 samples	Serum
	Pool of maximum 5 sera From 10 samples	

Culture / coplasma ag ELISA	Screening for <i>Mycoplasma</i> by culturing (small ruminants) (Preparation and enrichment included)	Organ
ycoplasma ag ELISA	ralactico	
ELISA	Jalacuae	
	Individual	Serum
ycoplasma bo	ovis (see respiratory pathologies packages)	
PCR	Individual on a suitable matrix	Smear, lung, mil
ELISA	Individual	Serum
ycoplasma w	enyonii (see vector-borne pathologies packages)	
PCR	Individual on appropriate matrix	Whole blood
eospora canii	num (see abortive pathologies packages)	
ELISA	Antibody - Individual	Serum
PCR	Parasite - Individual	Brain
stertagia oste	ortagi	
ELISA	ODR Serology	Milk
ELISA	ODR Individual Serology	Serum
aratuberculos	is	
D PCR	Individual (on feces)	Feces
ELISA	Antibodies - Individual	Serum
asteurella mu	Itocida (see respiratory pathologies packages)	
3 (see respir	atory pathologies packages)	
ELISA	Antibody - Individual	Serum
	· ·	
regnancy Test		

	ELISA	Individual 10 to 49 samples Individual From 50 samples	Serum
Q Fev	ver (Coxiella	<i>a burnetii)</i> Antibodies	
	ELISA	Individual	Serum
	ver (Coxiella		
(see a	abortive pat	hologies packages)	
©	PCR	Semi-quantitative screening	Cervico-vaginal swab
	PCR	Semi-quantitative screening	Gastric content, milk
RSV (see respira	tory pathologies packages)	
	ELISA	Antibody - Individual	Serum
Salmo	onellosis		
©		Culture and screening in mammals	
		OR	
©	Culture	Screening with pre-enriched culture in mammals	Feces, organ
©		Identification and serotyping in mammals	
Salm	onella Aboi	rtusovis	
© s	Sero-agglutinatio	n Salmonella abortus ovis	Serum
SBV /	Antibodies		
	ELISA	Individual 1 to 9 samples Individual From 10 samples	Serum

SBV Virus		
RT-PCR	Individual on an organ	Organ
KI-PCK	Individual on blood	Whole blood
Toxoplasmosis		
ELISA	Antibodies - Individual	Serum
PCR	Parasite - Individual	Cervical smear, brain

TESTS BY PATHOLOGY

Poultry

	Method		Matrix
Salmo	nellosis		
©		Screening for Salmonella - Laying hens	Environmental
©	Culture	Screening for Salmonella - Broilers	samples
	PCR	Screening for Salmonellosis	Swab cloths Swabs
	Culture	Identification and serotyping according to regulations	Strain
	Culture	Screening with pre-enrichment - birds	Feces, organs
Avian	influenza		
©	PCR	Screening for avian influenza (bird flu) M gene and H5/H7 genes on pooled swabs	Tracheal and/or cloacal
	PCR	Screening for avian influenza (bird flu) M gene and H5/H7 genes on wipes and boot swabs	Swab cloths

TESTS BY PATHOLOGY Swine

Method	Matrix
Actinobacillus pleuropneumoniae (APP)	
ELISA Antibody - Individual	Serum

frica	n Swine fev	er	
	ELISA	Antibodies - Individual	Serum
Aujes	zky Disease	(Pseudorabies)	
	PCR	Screening for the Aujeszky disease virus	
©	ELISA	Individual - Antibodies (anti-gB)	Serum
©	ELISA	Individual - Antibodies (anti-gE)	
Brach	iyspira hyod	ysenteriae	
	PCR	Screening for Brachyspira hyodysenteriae	Feces
	Culture	Screening for Brachyspira hyodysenteriae	reces
Bruce	llosis		
©	EAT	Screening for Brucellosis - Individual	0
©	ELISA	Screening for Brucellosis - Individual	Serum
© ^s	ero-agglutination (SAW)	Screening for Brucellosis - Individual	Serum
Chlan	nydiosis		
	ELISA	Screening for Chlamydosis	Serum
Circo	virus type II		
	ELISA	Antibodies - Individual	Serum
Class	ical Swine F	ever	
	PCR	Screening for Classical Swine Fever virus	Organs
©	ELISA	Antibodies - Individual	Serum
Foot a	and mouth d	isease	
	ELISA	Antibodies - Individual	Serum
Influe	nza A (H1N1) 2009	
©	PCR	Screening for Influenza A (H1N1) 2009	Nasal Swab
	ELISA	Antibodies - Individual	Serum
Laws	onia intracel	lularis	
		Screening for Lawsonia intracellularis (including	

Leptospirosis

PCR

Screening for Leptospira spp.

Serum - Urine

myc0	olasina ny	opneumoniae	
	PCR	Screening for Mycoplasma hyopneumoniae	Nasal or tr smear - Br alveolar la
	ELISA	Antibodies - Individual	Seru
Мусој	olasma sp	p.	
	PCR	Screening for Mycoplasma spp.	Nasal or tr smear - Br alveolar la
Parvo	virus		
	PCR	Screening for Parvovirus	Orgar
	ELISA	Antibody - Individual	Serur
Paste	urella mul	<i>tocida</i> toxin	
	PCR	Screening for Pasteurella multocida toxin	Culture - I swat
	ELISA	Antibodies - Individual	Serur
Dereit			
Porcir	PCR	ronavirus (PDCoV) Screening for Porcine Deltacoronavirus (PDCoV)	Fece
	-		
Porcir		ic diarrhoea (PED)	
	PCR	Screening for Porcine Epidemic Diarrhoea (PED) virus	Fece
	ELISA	Antibodies - Individual	Serui
Porcir		tory Coronavirus (PRCV)	
	ELISA	Antibodies - Individual	Serur
Porcir	ne Scabies		
	ELISA	Antibodies - Individual	Serur
PRRS			
©	PCR	Screening for PRRS (Porcine Reproductive and Respiratory Syndrome) virus	Serur
©	ELISA	Antibodies - Individual	
Salmo	onellosis		
	PCR	Screening for Salmonella Typhimurium	Orgar
	ELISA	Antibodies - Individual	Serur
	chetes pao ellularis)	skage (Brachyspira hyodysenteriae + Lawsonia	
	PCR	Screening for Brachyspira hyodysenteriae + Lawsonia intracellularis	Fece
Swine	e Erysipela	IS	
	ELISA	Antibodies - Individual	Serur
Toxor	olasmosis		
	ELISA	Antibodies - Individual	Serur

ELISA	Antibodies - Individual	Serum
/esicular disease		
ELISA	Antibodies - Individual	Serum

ABORTIVE PATH	OLOGIES		
PCR	Screening for <i>Coxiella burnetii</i> (semi-quantitative test) and <i>Chlamydia abortus</i> Individual - Bovine or small ruminant		Cervical smear, aborted fetus.
PCR	Screening for <i>Coxiella burnetii</i> (semi-quantitative test) and <i>Chlamydia abortus</i> Pool of maximum of 3 - Small ruminants only		milk
PCR	Package 2 analyses: Screening for <i>Anaplasma phagocytophilum</i> (Ehrlichiosis) and <i>Anaplasma marginale</i> (Anaplasmosis)		Whole blood from the aborted female
PCR	Package 2 analyses per matrix: Screening for FCO and BVD (4 PCR)		Spleen from fetus and whole blood from the aborted female
PCR + ELISA	Package for 6 pathogens: PCR Anaplasma phagocytophilum and A. marginale / PCR Q Fever / PCR Listeria monocytogenes / PCR Salmonella sp. / Serology for Neospora caninum		Whole blood, smear, serum
PCR + ELISA	Package for 7 pathogens: PCR Anaplasma phagocytophilum and A. marginale / PCR Q Fever / PCR Listeria monocytogenes / PCR Salmonella spp. / Serology for Neospora caninum / PCR BVD		Whole blood, smear, serum, spleen from aborted fetus
PCR + ELISA	Package for 8 pathogens: PCR Anaplasma phagocytophilum and A. marginale /PCR Q Fever /PCR Listeria monocytogenes / PCR Salmonella spp. / Serology for Neospora caninum / PCR BVD / PCR FCO		Whole blood, smear, serum, spleen from aborted fetus
PCR	Package Salmonella and Listeria - Individual	1	Organ or smear
PCR	Screening for <i>Listeria</i> - individual (Preparation and extraction included)		Organ or smear

NATAL PATH	IOLOGIES	Matrix
PCR	Rotavirus and Coronavirus - Individual	
PCR - ELISA - Culture	Rotavirus and Coronavirus (PCR) + Cryptosporidiae (ELISA) + typing of <i>E.coli</i>	
PCR + ELISA + Culture	Rotavirus and Coronavirus (PCR) + Cryptosporidiae (ELISA) + typing of <i>E.coli</i> + Salmonella	Feces
ELISA	Rotavirus, Coronavirus, E.coli and Cryptosporidiae	
	Quantitative determination of IgG1 1 serum or 1 sample of colostrum	
Radial Immuno Diffusion (RID)	Quantitative determination of IgG1 Pack of 2 to 5 samples (colostrums and/or sera)	Serum Colostrun
	Quantitative determination of IgG1 Pack of 6 to 10 samples (colostrums and/or sera)	

RESPIRATORY	PATHOLOGIES	Matrix
	RSV and Pl3 Individual analysis	
	Bovine coronavirus and Influenza D Individual analysis	
	Pasteurella multocida and Mannheimia haemolytica Individual analysis	
	Mycoplasma bovis and Histophilus somni Individual analysis	<u>Preferably:</u> Lung tracheal
PCR	6 pathogens package RSV / PI3 / Pasteurella multocida / Mannheimia haemolytica / Histophilus somni / Mycoplasma bovis	aspiration fluid fo broncho-alveola lavage <u>Possibly:</u> Deep

V

8 pathogens package RSV / PI3 / Pasteurella multocida /

Mannheimia haemolytica / Histophilus somni / Mycoplasma bovis / Coronavirus / Influenza D

10 pathogens package RSV / PI3 / Pasteurella multocida / Mannheimia haemolytica / Histophilus somni / Mycoplasma bovis / Coronavirus / Influenza D / BVD / BHV-1

nasopharyngeal

swab

ECTOR-BORN	E PATHOLOGIES	Matrix
	Anaplasma phagocytophilum and A. marginale Individual test	
	<i>Babesia spp.</i> and <i>Theileria</i> spp. Individual test	
PCR	<i>Mycoplasma wenyonii</i> Individual test	Whole blood
	Package of 2 PCR of choice	
	Package of 3 PCR	

CONTROL ANALYSIS

EXP	PORT FEES (individual analyses)		
	Method			Matrix
©		Total antibodies IBR and Brucellosis 50 to 199 samples		
©	ELISA	Total antibodies IBR and Brucellosis From 200 samples		Serum
©		Total antibodies IBR Brucellosis and Leucosis 50 to 199 samples		Serum
©		Total antibodies IBR Brucellosis and Leucosis From 200 samples		
©		BTV PCR Total antibodies ELISA IBR and Brucellosis 50 to 199 samples		
©		BTV PCR Total antibody ELISA IBR and Brucellosis From 200 samples		
©	PCR	BTV PCR Total antibodies ELISA IBR, Brucellosis and Leucosis 50 to 199 samples		Serum
©	and ELISA	BTV PCR Total antibodies ELISA IBR, Brucellosis and Leucosis From 200 samples		and whole blood
		BTV and SBV PCR Total antibodies ELISA IBR, Brucellosis and Leucosis 50 to 199 samples		
		BTV and SBV PCR Total antibodies ELISA IBR, Brucellosis and Leucosis From 200 samples		

PACI	KAGES IN C	ASE OF ANIMAL MOVEMENTS	
©		Inter-herd pool BVD PCR and individual Besnoitiosis ELISA test	
©	PCR and ELISA	Inter-herd pool BVD PCR and individual Besnoitiosis - Paratuberculosis ELISA test	
		Inter-herd pool BVD PCR and individual Besnoitiosis - Paratuberculosis - Neosporosis ELISA test	Serum
	ELISA	IBR individual test - BVD E0 ELISA individual test - ELISA Besnoitiosis individual test	

ANIMAL HEALTH ANALYSES	Matrix
Method	Matrix
NECROPSY	
Euthanasia for necropsy purposes (mammals)	 Animal
Necropsy of small poultry (chicks)	Batch of animals
Necropsy of small animals (< 2 Kg)	
Necropsy of animals <30kg	
Necropsy of a deer	
Necropsy of an animal between 30 and 80 kg	
Parasitic examination of an organ	Animal
Craniotomy for harvesting brain tissue - Depending on size	
Preparation of samples for rabies testing - Depending on size	
Necropsy - Expertise (hour)	

PARASITOLOGY			
Preparation	Pool of up to 5 feces		Feces
Observation	Quantitative or qualitative coproscopy using zinc sulfate flotation		10003
Observation	Parasitic examination of organs		Organs
Baermann technique	Screening for lungworm larvae		Feces
Potassium hydroxide wet mount preparation	Screening for external parasites		Cutaneous sample
Observation	Identification of external parasites		
Serology	Quantitative determination in serum - Individual test		Serum
Serology	Quantitative determination in serum - Pool of up to 5 sera		Gerum
ELISA or observation	Screening for Cryptosporidiae by ELISA or parasitological method		Feces
Observation	Direct research in crystalline lens		Sample

GENERAL BACTERIOLOGY

GE	NERAL BACTE	RIOLOGY	Matrix
	Culture	Screening for aerobic - anaerobic bacteria	Sample
	Simple identification	Gram staining + biochemical test (Enterobacteriaceae)	
	Complex identification	Gram staining + biochemical test (Staphylococci, Streptococci, Pasteurellaceae, Corynebacterium)	Strain
	Ziehl stain	Screening for acid fast bacilli	Organs
		Gram staining	
©*	Disk diffusion method	Antibiotic susceptibility testing Maximum of 16 antibiotics tested	Strain

COLOGY			Matrix
Direct examination	Screening for Dermatophytes fungi	Skin sample	
Culture	Screening for Dermatophytes fungi		Skin sample
Observation	Identification of Dermatophytes fungi		Skin sample
Culture	Screening for yeast / molds		Appropriate
Observation	Identification of yeasts / molds		matrix

		Matrix
Culture	Screening for anaerobic bacteria	Organ
Guildie	Anaerobic bacteria count in intestinal content	Feces
Biochemical tests	Identification of anaerobic bacteria	Strain
LECULAR BIO	LOGY	Matrix
	Screening for microbial agents by simplex or multiplex real-time PCR by individual test analysis in blood	Blood

	real-time PCR by individual test analysis in blood (including extraction)		Blood
PCR	Screening for microbial agents by simplex or multiplex real-time PCR by individual analysis in an organ (including extraction)		Organs
FOR	Screening for microbial agents by simplex or multiplex PCR by individual analysis in blood pooled samples (including extraction)		Blood
	Screening for microbial agents by simplex or multiplex PCR by analysis on a pool of organs (including extraction)		Organs

STORAGE - PREPARATION Strain conservation on agar medium Strain preservation at - 20° C Strain preservation at - 80° C Recovery of serum from serum bank Preparation, centrifugation and storage of serum at -20 $^{\circ}\text{C}$ Preparation, separation of blood cells and storage at -80°C Sample management and conservation fee (excluding prophylaxis) Sample management and conservation fee (prophylaxis) Preparation of a pool of up to 5 sera Preparation of a pool of up to 10 sera Preparation of a pool (other than serum) Sample preparation-extraction for bacteriological, virological or PCR screening in animal health Abortive Brucellosis Surveillance: Supply of a sampling kit and transport box, preparation and storage of a swab.

MISCELLANEOUS FEES

ADMINISTRATIVE FEES		
Administrative fees		
TRANSFER OF SAMPLES		
Preparation and shipping of a sample or 1 to 10 sera		
Preparation of 2 to 5 samples or more than 10 sera		
Preparation and shipment of a sample to an external laboratory by express transport		
Transport of samples by ADR 6.2.3-approved special carrier		
SUPPLY OF MATERIAL		
Supply of 1 batch of 100 (test tubes + needles)		
Supply of a sterile container for samples - small model		
Supply of a sterile container for samples - intermediate model		
Supply of transport boxes for special samples		
COLLECTION OF SAMPLES		
Transport of samples by Agrivalys71 upon request		
Regular collection of samples - 1 to 5 test tubes		
Regular collection of samples - 6 to 10 test tubes		
Regular collection of samples - more than 10 test tubes or other samples		

Cofrac accredited parameter. Accreditation no. 1-6486 for testing and analysis programs in animal immuno-serology (LAB GTA 27), molecular biology in animal health (BIOMOLSA) and animal bacteriology (LAB GTA 36). Scope available at www.cofrac.fr/en



 $\star~$ Agrivalys 71 can issue analysis reports without the COFRAC logo for strains not covered by the standards.