

A local mixed economy firm with a capital investment of €600,00 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 BY PATHOLOGY Ruminants Method Matrix Anaplasmosis (Anaplasma phagocytophilum and A. marginale) (see abortive or vector-borne diseases packages) Individual Whole blood Babesiosis (Babesia spp. / Theileria spp.) (see vector-borne diseases packages) PCR Individual Whole blood Besnoitiosis (Besnoitia besnoiti) Individual ELISA Serum Pool - 10 samples maximum PCR Individual Whole blood BHV4 - Bovine herpes virus 4 Antibody - Individual Serum Analysis outsourced to an external laboratory Cervical smear, PCR Virus - Individual aborted fetus, lung Blue tongue (BTV) Antibodies Individual \bigcirc From 1 to 9 samples **ELISA** Serum Individual (C) Starting with 10 samples Blue tongue (BTV) Individual on organs **PCR** Organ (Preparation and extraction included) (C) PCR Individual - Clinical suspicion Whole blood $^{\circ}$ Individual (1 to 20 samples) (C) PCR Individual (21 to 199 samples) Whole blood $^{\circ}$ Individual (from 200 samples) (C) Typing of BTV-8 strain - Individual (C) PCR Whole blood Typing of BTV-4 strain - Individual \bigcirc Typing of BTV-4 & BTV-8 strain - Individual Bovine Coronavirus (see respiratory or neonatal pathologies packages) **Brucella Antibodies** Individual \bigcirc Prophylaxis introduction and control Individual \bigcirc RBT Annual prophylaxis for sheep and goats Individual (C) Annual bovine prophylaxis (C) Individual Serum

vis Ant	Individual d to an external laboratory accredited by COFRAC. 198. Scope available at www.cofrac.fr/en ibodies Individual 1 to 9 samples Individual From 10 samples odies (Anti p80/ NS2-3 + total antibodies) Individual 1 to 9 samples Individual From 10 samples Individual From 10 samples Individual From 10 samples	Serum
vis Ant LISA / Antibo	ibodies Individual 1 to 9 samples Individual From 10 samples Individual 1 to 9 samples Individual From 10 samples Individual 1 to 9 samples Individual Trom 10 samples Individual Trom 10 samples	
_ISA / Antibo _ISA	Individual 1 to 9 samples Individual From 10 samples Odies (Anti p80/ NS2-3 + total antibodies) Individual 1 to 9 samples Individual From 10 samples	
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/ Antibo	Individual From 10 samples odies (Anti p80/ NS2-3 + total antibodies) Individual 1 to 9 samples Individual From 10 samples	
LISA	Prom 10 samples odies (Anti p80/ NS2-3 + total antibodies) Individual 1 to 9 samples Individual From 10 samples	Serum
LISA	Individual 1 to 9 samples Individual From 10 samples	Serum
	1 to 9 samples Individual From 10 samples	Serum
	Individual From 10 samples	Serum
	From 10 samples	Serum
/ (Virus)	·	
(Virus)		
(" " " " "		
CR	Individual diagnosis	
	Retest following a positive result	
	Inter-herd pool of 10 samples maximum, with	Serum
	individual reanalysis from positive pools (purchases, sales, competitions, etc.)	Geruin
CR		
	individual reanalysis of positive pools (sanitation, operator's request)	
		Organ, TTV
CR	Individual	BAL, NPS, m spleen of th
		fetus
CR	Pool of 10 samples with individual reanalysis from positive pools	Biopsy of e
_ISA	ELISA E0 Individual test	Serum
bodies		
	Individual	
ISA	1 to 9 samples	Serum
	Individual From 10 samples	Gerain
acter fe	tus	
		Cervical o
CR	Individual	preputial sm
iceae a	nd <i>Chlamydia abortus</i>	
LISA	Chlamydiaceae (Chlamydia spp.)	Serum
	Chlamudiaeee (Chlamudiaeee)	Cervical sme Aborted fetu
CR	Chlamydiaceae (Chlamydia spp.)	
CR	Chlamydiaceae (Chlamydia spp.) Chlamydia abortus	Aborted lett milk Aborted fett milk
	CCR LISA bodies LISA acter fe	Inter-herd pool of 10 samples maximum, with individual reanalysis from positive pools (purchases, sales, competitions, etc.) Intra-herd pool of 10 samples maximum, with individual reanalysis of positive pools (sanitation, operator's request) CR Individual CR Pool of 10 samples with individual reanalysis from positive pools LISA ELISA E0 Individual test bodies Individual 1 to 9 samples Individual From 10 samples acter fetus CR Individual Individual From 10 samples

Enzo	otic Bovine	E Leukosis - Antibodies	
©	ELISA	Individual Prophylaxis or control analyses	
©	ELISA	Pool of maximum 10 sera Annual prophylaxis	Serum
Giaro	lia intestina	alis	
	IC	Individual	Feces
Histo	philus son	nni (see respiratory pathologies packages)	
Нуро	dermosis /	Antibodies	
©	ELISA	Individual	Serum
©	LLION	Pool - maximum 10 samples	Corum
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	enza D (see	respiratory pathologies packages)	
_eptc	spirosis		
	MAT	Individual Detection of antibodies	Serum
	PCR	Detection of pathogenic bacteria	Cervical smoorgans, who blood, live

Culture	Screening for Listeria	Organ
	Identification of Listeria	Strain
iver fluke (Fas	ciola hepatica)	
	Individual (Idexx Kit)	Serum
	Pool of up to 10 sera (Idexx kit)	Serum
ELISA	Individual (Svanova kit)	Serum, milk
	Pool of up to 10 sera (Svanova kit)	Serum
	Bulk tank milk (Svanova kit)	Milk
alignant Catha	arrhal Fever (OHV-2)	
PCR	Individual	Whole blood
/laedi-Visna An		
	Individual 1 to 9 samples	
	Individual From 10 samples	
ELISA	Pool of a maximum 5 sera	— Serum
	1 to 9 samples Pool of maximum 5 sera	-
	From 10 samples	
lannheimia had	emolytica (see respiratory pathologies packages)	
lycoplasmosis		
ycopiasiiiosis	Screening for <i>Mycoplasma</i> by culturing	
Culture	(small ruminants) (Preparation and enrichment included)	Organ
lycoplasma ag ELISA	alactiae Individual	Serum
		Seruiii
lycoplasma bo	vis (see respiratory pathologies packages)	
PCR	Individual on a suitable matrix	Smear, lung, m
ELISA	Individual	Serum
lycoplasma we	enyonii (see vector-borne pathologies packages)	
PCR	Individual on appropriate matrix	Whole blood
leospora canin	um (see abortive pathologies packages)	
ELISA	Antibody - Individual	Serum
PCR	Parasite - Individual	Brain
stertagia oster	rtagi	
ELISA	ODR Serology	Milk
ELISA	ODR Individual Serology	Serum
aratuberculosi	e	
© PCR	Individual (on feces)	Feces
© ELISA	Antibodies - Individual	Serum
<u> </u>		Jerum
	tocida (see respiratory pathologies packages)	
asteurella mul		
	tory pathologies packages)	
	Antibody - Individual	Serum
I3 (see respira	Antibody - Individual	Serum

	ELISA	Individual 10 to 49 samples Individual From 50 samples	Serum
Q Fev	er (Coxiell	a burnetii) Antibodies	
	ELISA	Individual	Serum
Q Fev	er (Coxiell	a burnetii)	
(see a	bortive pa	thologies packages)	
©	PCR	Semi-quantitative screening	Cervico-vaginal swab
	PCR	Semi-quantitative screening	Gastric content, milk
RSV (see respira	atory pathologies packages)	
	ELISA	Antibody - Individual	Serum
Salmo	ELISA onellosis	Antibody - Individual	Serum
Salmo		Antibody - Individual Culture and screening in mammals	Serum
©	onellosis		
		Culture and screening in mammals	Serum Feces, organ
©	onellosis	Culture and screening in mammals OR	
© © ©	onellosis	Culture and screening in mammals OR Screening with pre-enriched culture in mammals Identification and serotyping in mammals	
© © ©	Culture	Culture and screening in mammals OR Screening with pre-enriched culture in mammals Identification and serotyping in mammals	
© © Salmo	Culture	Culture and screening in mammals OR Screening with pre-enriched culture in mammals Identification and serotyping in mammals	Feces, organ

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

TESTS Poult	S BY PATHO ry	LOGY	
	Method		Matrix
Salmo	onellosis		
©		Screening for Salmonella - Laying hens	Environmental
©	Culture	Screening for Salmonella - Broilers	samples
	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

	M athad		**
	Method		Matrix
Actin	obacillus ple	uropneumoniae (APP)	
	ELISA	Antibody - Individual	Serum
Africa	ın Swine feve	er e	
	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	nyspira hyod	ysenteriae	
	PCR	Screening for Brachyspira hyodysenteriae	Feces
	Culture	Screening for Brachyspira hyodysenteriae	
	ellosis		
©	EAT	Screening for Brucellosis - Individual	Serum
©	ELISA	Screening for Brucellosis - Individual	
© S	Sero-agglutination (SAW)	Screening for Brucellosis - Individual	Serum
Chlan	nydiosis		
	ELISA	Screening for Chlamydosis	Serum
Circo	ELISA virus type II	Screening for Chlamydosis	Serum
Circo		Screening for Chlamydosis Antibodies - Individual	Serum
	virus type II	Antibodies - Individual	
	virus type II ELISA	Antibodies - Individual	
	virus type II ELISA ical Swine F	Antibodies - Individual	Serum
Class ©	virus type II ELISA ical Swine Fe	Antibodies - Individual ever Screening for Classical Swine Fever virus Antibodies - Individual	Serum
Class ©	virus type II ELISA ical Swine For PCR ELISA	Antibodies - Individual ever Screening for Classical Swine Fever virus Antibodies - Individual	Serum
© Foot a	ELISA PCR ELISA and mouth d ELISA	Antibodies - Individual ever Screening for Classical Swine Fever virus Antibodies - Individual isease Antibodies - Individual	Serum Organs Serum
Class ©	ELISA CELISA CELISA CELISA CELISA	Antibodies - Individual ever Screening for Classical Swine Fever virus Antibodies - Individual isease Antibodies - Individual	Serum Organs Serum
© Foot a	ELISA PCR ELISA and mouth d ELISA	Antibodies - Individual ever Screening for Classical Swine Fever virus Antibodies - Individual isease Antibodies - Individual	Serum Organs Serum Serum
© Foot a	PCR ELISA and mouth d ELISA pcr A (H1N1) PCR	Antibodies - Individual ever Screening for Classical Swine Fever virus Antibodies - Individual isease Antibodies - Individual 2009 Screening for Influenza A (H1N1) 2009 Antibodies - Individual	Serum Organs Serum Serum Nasal Swa
© Foot a	ELISA CONTROL PCR ELISA CONTROL CO	Antibodies - Individual ever Screening for Classical Swine Fever virus Antibodies - Individual isease Antibodies - Individual 2009 Screening for Influenza A (H1N1) 2009 Antibodies - Individual	Serum Organs Serum Serum Nasal Swa
© Foot a Influe	ELISA ical Swine For PCR ELISA and mouth delisa enza A (H1N1) PCR ELISA ELISA onia intracel	Antibodies - Individual Ever Screening for Classical Swine Fever virus Antibodies - Individual isease Antibodies - Individual 2009 Screening for Influenza A (H1N1) 2009 Antibodies - Individual	Serum Organs Serum Serum Nasal Swa

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PCR Screening for Salmonella Typhimurium ELISA Antibodies - Individual Serum Spirochetes package (Brachyspira hyodysenteriae + Lawsonia Intracellularis) PCR Screening for Brachyspira hyodysenteriae + Lawsonia intracellularis Swine Erysipelas ELISA Antibodies - Individual Serum Soxoplasmosis	© ELISA		Serum
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Lawsonia intracellularis Wine Erysipelas ELISA Antibodies - Individual Serum Oxoplasmosis		kage (Brachyspira hyodysenteriae + Lawsonia	
ELISA Antibodies - Individual Serum oxoplasmosis	PCR		Feces
oxoplasmosis	wine Erysipelas		
	ELISA	Antibodies - Individual	Serum
ELISA Antibodies - Individual Serum	oxoplasmosis		

ELISA	Antibodies - Individual	Serum
Vesicular disease		
ELISA	Antibodies - Individual	Serum

BORTIVETAIN	OLOGIES	
PCR	Screening for <i>Coxiella burnetii</i> (semi-quantitative test) and <i>Chlamydia abortus</i> Individual - Bovine or small ruminant	Cervical smear,
PCR	Screening for Coxiella burnetii (semi-quantitative test) and Chlamydia abortus Pool of maximum of 3 - Small ruminants only	aborted fetus, milk
PCR	Package 2 analyses: Screening for Anaplasma phagocytophilum (Ehrlichiosis) and Anaplasma marginale (Anaplasmosis)	Whole blood fron the aborted female
PCR	Package 2 analyses per matrix: Screening for FCO and BVD (4 PCR)	Spleen from fetue 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	Organ or smear
PCR	Screening for Listeria - individual (Preparation and extraction included)	Organ or smear
	(i roparation and oxidotion moladou)	
EONATAL 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> + <i>Salmonella</i>	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 Colostrum
, ,	Quantitative determination of IgG1 Pack of 6 to 10 samples (colostrums and/or sera)	
	, , , , , , , , , , , , , , , , , , , ,	
ESPIRATORY P		Matrix
	RSV and PI3 Individual analysis	
	Bovine coronavirus and Influenza D Individual analysis	
	Pasteurella multocida and Mannheimia haemolytica Individual analysis	
	Mycoplasma bovis and Histophilus somni Individual analysis	Preferably: Lung
	6 pathogens package RSV / Pl3 / Pasteurella multocida /	aspiration fluid fo broncho-alveolar

8 pathogens package RSV / Pl3 / Pasteurella multocida / Mannheimia haemolytica / Histophilus somni / Mycoplasma bovis / Coronavirus / Influenza D

10 pathogens package RSV / Pl3 / 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	
	Babesia spp. and Theileria spp. Individual test	
PCR	Mycoplasma wenyonii Individual test	Whole blood
	Package of 2 PCR of choice	
	Package of 3 PCR	

EXPO	RT FEES	(individual analyses)	
	Method		Matrix
©		Total antibodies IBR and Brucellosis 50 to 199 samples	
©	ELISA	Total antibodies IBR and Brucellosis From 200 samples	Comme
©		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 blo
		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	
PACK	AGES IN (CASE 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	Serum
		Inter-herd pool BVD PCR and individual Besnoitiosis - Paratuberculosis - Neosporosis ELISA test	Seiuli
	ELISA	IBR individual test - BVD E0 ELISA 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 Animal Parasitic examination of an organ 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 Quantitative or qualitative coproscopy using zinc sulfate flotation Observation Parasitic examination of organs Organs Baermann Screening for lungworm larvae Feces technique Potassium hydroxide wet Screening for external parasites Cutaneous mount preparation sample Observation Identification of external parasites Quantitative determination in serum -Serology Individual test Serum Quantitative determination in serum -Serology Pool of up to 5 sera Screening for Cryptosporidiae ELISA or Feces by ELISA or parasitological method observation Observation Direct research in crystalline lens Sample **GENERAL BACTERIOLOGY** Matrix Culture Screening for aerobic - anaerobic bacteria Sample Gram staining + biochemical test Simple identification (Enterobacteriaceae...) Strain Gram staining + biochemical test Complex (Staphylococci, Streptococci, Pasteurellaceae, identification Corynebacterium...) Ziehl stain Screening for acid fast bacilli Organs Gram staining Disk diffusion Antibiotic susceptibility testing (C)* Strain Maximum of 16 antibiotics tested method **MYCOLOGY** Matrix Direct examination Screening for Dermatophytes fungi Skin sample Culture Screening for Dermatophytes fungi Observation Identification of Dermatophytes fungi Skin sample Culture Screening for yeast / molds Appropriate matrix Observation Identification of yeasts / molds

ANAEROBIC BACTERIA		Matrix
Culture	Screening for anaerobic bacteria	Organ
	Anaerobic bacteria count in intestinal content	Feces
Biochemical tests	Identification of anaerobic bacteria	Strain

MOLECULAR BIOLOGY		Matrix
	Screening for microbial agents by simplex or multiplex 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
	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

'ORA	AGE - PREPARATION
Stra	in conservation on agar medium
Stra	nin preservation at - 20° C
Stra	nin preservation at - 80° C
Rec	covery of serum from serum bank
Prep	paration, centrifugation and storage of serum at -20°C
Prep	paration, separation of blood cells and storage at -80°C
Sam	nple management and conservation fee (excluding prophylaxis)
San	nple management and conservation fee (prophylaxis)
Prep	paration of a pool of up to 5 sera
Prep	paration of a pool of up to 10 sera
Prep	paration of a pool (other than serum)
	nple preparation-extraction for bacteriological, virological or PCR eening in animal health
	rtive Brucellosis Surveillance: Supply of a sampling kit and transport , 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



- For strains not present in the reference databases, Agrivalys 71 can issue analysis reports without the COFRAC logo which therefore are not presumed to be compliant with the accreditation reference (GEN REF 11 §7.2).
- S Without any clarification from the client, serovars will be chosen according to the species and epidemiological context in France.