iodolab
EXPLORATIONS NUTRITIONNELLES

3 Route des pierres blanches F-69290 Grézieu-la-Varenne
www.iodolab.com - contact@iodolab.com
04 78 57 66 09

PRESCRIBER :

(Mandatory)

Name/Structure : _____

Address : _____

SIRET : _____

Phone : _____

email : _____

Stamp and signature :

PERSON TO BILL :

(if different from the prescriber)

Name/Company name : _____

Address : _____

SIRET : _____

Phone : _____

email invoice : _____

OWNER :

(if different from the invoice)

Name : _____

SIRET : _____

email : _____

DO NOT FILL

TRANSMISSION OF RESULTS The opening of the analysis results file is conditional upon receipt of payment.

- O Prescriber
- O Owner
- O Other : _____
- O Consultation available at www.iodolab.com (Please ask us for your login and password)
- O By email : _____

STORAGE T° BEFORE SHIPPING : ☐ Ambient ☐ Refrigerated ☐ Frozen

Date of samples :

Matrices sent : O Blood (EDTA) O Blood (Heparine) O Total Blood O Urine O Serum O Milk O Other

Species : O Cattle O Sheep O Goats O Equine O Donkey O Canine O Feline O Other O If Ruminant number of lactating animals : _____

IDENTITY	BREED	SEXE	AGE	Physiological stage if ruminant
				☐ DL ☐ ML ☐ FL ☐ Tarie ☐ Prep MB
				☐ DL ☐ ML ☐ FL ☐ Tarie ☐ Prep MB
				☐ DL ☐ ML ☐ FL ☐ Tarie ☐ Prep MB
				☐ DL ☐ ML ☐ FL ☐ Tarie ☐ Prep MB
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				☐ DL ☐ ML ☐ FL ☐ Tarie ☐ Prep MB
				☐ DL ☐ ML ☐ FL ☐ Tarie ☐ Prep MB

Equine activity
☐ Unemployed/Retired
☐ Leisure
☐ Competition
☐ Reproduction :
☐ lactation
☐ gestation
☐ Put into repro
☐ Foal under the mother
☐ Weaned foal

DL : start of lactation, ML : half of lactation, FL : end of lactation, Prep MB : birth preparation

Motivations / Commemoratives :

For any questions or comments regarding the results, you may contact Dr. Franck at:
- his email address: m.franck@adnucleis.com
- his phone number: 06 60 96 01 41.

SPECIAL PRECAUTIONS AND SHIPPING

For non-standard analyses (qPCR and ICP-MS testing for toxins and heavy metals): the cost is €40 (excl. tax) for processing and extraction, plus €10 (excl. tax) per target.
EDTA blood sample: **2 tubes for ruminants and equines, 1 tube for other species**.
Chronopost shipping is **mandatory**; samples must be packed in insulated packaging with ice packs.

For individual tests, the volume column indicates the **minimum** volume of serum required to properly perform the analysis. Ideally, therefore, **4 ml of whole blood should be provided**.

For hair sampling, please refer to the " **Hair sampling technique"** procedure in the catalog.

Protect the samples from light (especially vitamins). Refrigerate the samples until shipment. Ship them as soon as possible, under refrigerated conditions, to :
IODOLAB - 3 Route des pierres blanches F-69290 Grézieu-la-Varenne

Edit our e-chrono slips for €15 excluding VAT or request a collection for €28 excluding VAT directly on our website: www.iodolab.fr. We also offer chronofresh/chronoferze collections on request (€40).

Sending a sample to our laboratory implies that you have read and accepted our general terms and conditions of sale (available on our website).

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		1 animal (€ excl. taxes)	5 animals (€ excl. taxes)		H = blood heparin	U = urine	L = milk	P= Hair
GP = Generalist Package – ALL SPECIES								
☐	**6 Trace-Elements** (Zn, Cu, Se, Mn, Co, Inorganic iodine) individual testing **+ 1 Mineral** (Mg) individual testing **+ 3 Vitamins** (A, D3, E) pooled sample	150 €	260 €	2 x 5ml Or 1 x 10ml /Al	H			
GPHB = Generalist Package (Hair + Blood)								
☐	Hair : **5 Trace-Elements** (Zn, Cu, Se, Mn, Co) **+ 5 minerals** (Mg, Ca, Na, K, P)	190 €	320 €	>2 g/Al				P
	Blood : **Inorganic iodine + 3 Vitamins** (A, D3, E) pooled sample			2 x 5ml Or 1 x 10ml /Al	H			
Short Generalist Package								
☐	**5 Trace-Elements** (Zn, Cu, Se, Mn, Co) **+ 5 minerals** (Mg, Ca, Na, K, P)	120 €	208 €	2 x 5ml Or >2 g/Al	H	or		P
All-species Packages								
☐	**Small Oligo Package :** Zn, Cu, Se, Co, Mn, Inorganic iodine	80 €	180 €	5ml *2 or 10ml/Al	H			
☐	**Small Vitamins Package :** A, D3, E	120 €	200 €	5ml *2 or 10ml/Al	H			
☐	**Great review O-E/Vit :** **GP** + Haptoglobin	180 €	320 €	5ml *2 or 10ml/Al	H			
☐	**Hoof health :** **GP** + Biotin	180 €	320 €	5ml *2 or 10ml/Al	H			
☐	**Reproductive disorders :** **GP** + AGNE	180 €	320 €	5ml *2 or 10ml/Al	H			
☐	**Preparation for birth :** **GP** + AGNE + Haptoglobin	210 €	320 €	5ml *2 or 10ml/Al	H			
☐	**Postpartum disorders :** **GP** + AGNE	180 €	320 €	5ml *2 or 10ml/Al	H			
☐	**Health Assessment of Growing Young Animals :** **GP** + Haptoglobin	180 €	320 €	5ml *2 or 10ml/Al	H			
☐	**Colostral quality :** **GP** + IgG + total protein in calf blood and/or maternal colostrum	210 €	320 €	5ml *2 or 10ml/ Al + 1ml milk	H		L	
☐	**Urine assessment :** **GP** + pH + Ca + Mg + P + Na + K + Cl + urea + osmolarity	230 €	470 €	5ml *2 or 10ml/ Al + 2ml urine	H	U		
☐	**Value of the ration :** **GP** + AGNE + urea + GGT + GLDH + Vit B12 pooled sample	200 €	450 €	5ml *2 or 10ml/Al	H			
☐	**Liver health assessment :** **GP** + AGNE + urea + GGT + GLDH	190 €	430 €	5ml *2 or 10ml/Al	H			
☐	**Investigation of suspected of cortical necrosis :** **GP** + Vitamins (B1 B6 B12)	270 €	430 €	5ml *2 or 10ml/Al	H			
☐	**Se, Vitamin E**	80 €	400 €	2ml blood + 2 g hair	H			P
☐	**Oxidative stress assessment :** dROMs + OXY + SODe	90 €	400 €	5ml *2 or 10ml/Al	H			
☐	**Complete oxidative stress assesst :** **GP** + SODe + dROMs + OXY + b-carotene + Vit E	290 €	430 €	5ml *2 or 10ml/Al	H			
Specific packages for horses								
☐	**Investigation of Reduced Performance:** **GPHB** + AGNE+ ASAT + CK	240 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Investigation of hoof health, horn quality, skin disorders:** **GPHB** + biotin	200 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Investigation of muscle pain, myositis, motor neuron :** **GPHB** + ASAT + CK + LDH + Ca + Mg	300 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Investigation of underperformance :** **GPHB** + AGNE + ASAT + CK + LDH + SAA	300 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Preparing for the competition :** **GPHB** + Ca + Mg or **GPHB** + Ca + Mg + B12 + biotin	300 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Medical monitoring of the elderly horse :** **GPHB** + AGNE + GGT + SAA + urea + creatinine + fructosamine + total protein	350 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Investigation of hepato-digestive :** **GPHB** + Bile acid + ASAT + Total bilirubin + cholesterol + creatinine + GGT + GLDH + LDH + PAL + urea + SAA + vit B12 + biotin	330 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Preparing a mare for breeding :** **GPHB** + AGNE + urea + SAA + B12	250 €	-	5ml*2 or 10ml/ Al + 2g hair	H			P
☐	**Monitoring the growing foal :** **GPHB**	180 €	-	2x5ml or 1x10ml >2g hair	H			P
☐	**Colostral quality** : **GPHB** + IgG + Total protein in foal blood and/or mare colostrum	210 €	-	2x5ml or 1x10ml >2g hair 1ml milk	H		L	P
OTHER								
☐								

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	€ excl. taxes		H = blood heparin	S = serum	U = urine	L = milk
METABOLISM						
☐ Bile acids	42 €	1ml	H			
☐ Uric acid	42 €	1ml	H			
☐ AGNE	42 €	1ml	H			
☐ Albumin (heparin)	42 €	1ml	H			
☐ Albumin (milk)	42 €	1ml				L
☐ Allantoïn	42 €	1ml			U	
☐ ASAT (GOT)	42 €	1ml	H			
☐ total Bilirubin	42 €	1ml	H			
☐ BOH (BHB, corps cétoniques)	42 €	1ml	H			
☐ Cholesterol total	42 €	1ml	H			
☐ Cholesterol HDL	42 €	1ml	H			
☐ Cholesterol LDL	42 €	1ml	H			
☐ CK	42 €	1ml	H			
☐ Creatinine (heparin)	42 €	1ml	H			
☐ Creatinine (urine)	42 €	1ml			U	
☐ Fructosamine	42 €	1ml	H			
☐ GGT	42 €	1ml	H			
☐ GLDH	42 €	1ml	H			
☐ LDH	42 €	1ml	H			
☐ PAL	42 €	1ml	H			
☐ Pepsinogene	42 €	1ml	H			
☐ Total protein (heparin)	42 €	1ml	H			
☐ Total protein (milk)	42 €	1ml				L
☐ Urea (heparin)	42 €	1ml	H			
☐ Urea (urine)	42 €	1ml			U	
ANTI-OXYDANTS						
☐ d-ROMs	58,30 €	500µl	H			
☐ OXY	58,30 €	500µl	H			
☐ GSH-pxe	45 €	2ml	H			
☐ GSH-pxp	45 €	500µl	H			
☐ MDA ❄	58,30 €	500µl	H			
☐ SOD	58,30 €	2ml	H			
☐ TAS ❄	65 €	500µl	H			
☐ Vitamin E (α-tocopherol)	50 €	500µl	H			
INFLAMMATION						
☐ Haptoglobin (Cattle)	30 €	300µl	H			
☐ Haptoglobin	30 €	100µl	H			
☐ SAA	30 €	100µl	H			
VITAMINS						
Please specify if vitamin tests are being performed:		☐ pooled sample ☐ individual testing				
☐ β-carotene	50 €	150µl	H			
☐ β-carotene	50 €	1ml				L
☐ Biotin	50 €	200µl	H			
☐ Vitamin A	50 €	250µl	H			
☐ Vitamin A	50 €	1ml				L
☐ Vitamin B1	50 €	2ml	H			
☐ Vitamin B6	50 €	2ml	H			
☐ Vitamin B9 (folates)	50 €	2ml	H			
☐ Vitamin B12	50 €	2ml	H			
☐ Vitamin C ❄	50 €	300µl	H			
☐ Vitamin 25OHD3	50 €	600µl	H			
☐ Vitamin E	50 €	250µl	H			
ENDOCRINOLOGY						
☐ Total T4	45 €	320µl	H	S		
☐ Cortisol	45 €	500µl	H	S		

❄ = *frozen (<-15°C)*

	€ excl. taxes		H = blood heparin	E = Blood EDTA	U = urine	L = milk
IMMUNITY (Price upon request if number of samples >10)						
☐ IgG Cattle, sheep, goats (heparin)	64 €	200µl	H			
☐ IgG Cattle, sheep, goats (milk)	32 €	1ml				L
☐ IgG Equine, fowl (heparin)	64 €	200µl	H			
☐ IgG Equine, fowl (milk)	32 €	1ml				L
☐ IgG Other species (heparin)	64 €	200µl	H			
☐ IgG Other species (milk)	32 €	1ml				L
☐ IgA (heparin)	64 €	200µl	H			
☐ IgA (milk)	32 €	1ml				L
☐ IgM	64 €	200µl	H			
GESTATION DIAGNOSIS						
Date of mating or AI (min. 28 days):						
☐ PAGs (cattle)	23 €	250µl		E		
☐ PAGs (sheep, goats)	23 €	250µl		E		
☐ PAGs (buffles)	23 €	250µl		E		
Acid-base balance						
☐ Uric acid	22 €	1ml			U	
☐ Bicarbonates (tCO2)	22 €	1ml			U	
☐ Calcium	22 €	1ml			U	
☐ Chlorine	22 €	1ml			U	
☐ Magnesium	22 €	1ml			U	
☐ Urinary osmolarity	free	1ml			U	
☐ pH	22 €	1ml			U	
☐ Phosphor	22 €	1ml			U	
☐ Potassium	22 €	1ml			U	
☐ Sodium	22 €	1ml			U	
☐ SID	free	1ml			U	
☐ Urea	22 €	1ml			U	
Toxicology Heavy Metals						
☐ Al (Aluminium)*	45 €	1ml	H			
☐ Ba (Baryum)*	45 €	1ml	H			
☐ As (Arsenic)*	45 €	1ml	H			
☐ Cd (Cadmium)*	45 €	1ml	H			
☐ Hg (Mercury)*	45 €	1ml	H			
☐ Li (Lithium)*	45 €	1ml	H			
☐ Pb (Lead)*	45 €	1ml	H			
☐ Ag (Sliver)*	45 €	1ml	H			
☐ I (Iodine)*	45 €	1ml	H			

* Research can also be conducted on all plants and food products.

"Toxicology & Heavy Metals" packages on the next page.

	€ excl. taxes		H = blood heparin	E = Blood EDTA	U = urine	L = milk
BLOOD ELECTROLYTES						
☐ Bicarbonates (tCO2)	22 €	500µl	H			
☐ Calcium	22 €	500µl	H			
☐ Ionized calcium	22 €	500µl	H			
☐ Chlorine	22 €	500µl	H			
☐ Magnesium	22 €	500µl	H			
☐ Phosphor	22 €	500µl	H			
☐ Potassium	22 €	500µl	H			
☐ Sodium	22 €	500µl	H			
TRACE-ELEMENTS						
☐ Cobalt	25 €	500µl	H			
☐ Copper	25 €	500µl / Liver:5g	H		**or liver**	
☐ Iron	25 €	100µl	H			
☐ Magnesium	25 €	1ml	H			
☐ GSH-pxe : glutathion perox. erythrocytaire	45 €	2ml	H			
☐ GSH-pxp : glutathion perox. plasmatique	45 €	100µl	H			
☐ Inorganic iodine	60 €	600µl	H			
☐ Urinary iodine		600µl			U	
☐ Milk iodine		1ml				L
☐ Manganese	30 €	500µl	H			
☐ Selenium	45 €	500µl	H			
☐ TIBC / CST	25 €	600µl /2ml	H			
☐ Zinc	30 €	500µl	H			

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qPCR and ICP-MS analysis :

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		excl. taxes	incl. taxes		H = blood heparine	E = blood EDTA	L = milk	EV = vaginal swab	P = placenta	ENP = nasopharyngeal swab	LCS = cerebrospinal fluid	EOP = oropharyngeal swab	EC = conjunctival swab	ER = rectal swab	P= Hair+Heparinized Blood	A = Water and any other environmental product
TICK																
☐	**Pathotick assessment (16 targets) :** Borrelia burgdorferi sensu lato,Borrelia miyamotoi,Borrelia hermsii,Bartonella spp.,Bartonella Quintana,Bartonella henselae,Babesia spp.,Brucella spp.,Theileria spp.,Rickettsia spp.,Ehrlichia spp.,Anaplasma spp.,Coxiella burnetii,Francisella tularensis,Mycoplasma spp.,Candida spp.	100€ *	120 €	Tick		E										
HIVE-BEE																
☐	**Pathobee assessment (16 targets) :** - Acute Bee Paralysis Virus, Black Queen Cell Virus, Chronic Bee Paralysis Virus, Deformed Wing Virus (DWV-A) - Kashmir Bee Virus, Sacbrood Bee Virus, Slow Bee Paralysis Virus, Varroa Destructor Virus 1 (DWV-B) - Nosema apis, Nosema ceranae, Paenibacillus larvae subsp. larvae - Lotmaria passim, Melissococcus plutonius, Acarapis woodi, IAPV - Crithidia mellifica	125€ *	150 €	Live bees (≥ 30)		E										
CATTLE																
☐	**Mastitis assessment (ref : BO MAM) :** Corynebacterium bovis,Enterococcus spp.,Klebsiella spp.,Levures,Mycoplasma bovis,Prototheca spp.,Serratia marcescens,Staphylococcus aureus,Staphylococcus spp.,Streptococcus agalactiae,Streptococcus dysgalactiae subsp. dysgalactiae,Streptococcus uberis,Trueperella pyogenes / Peptoniphilus indolicus.	110€ *	132 €				L									
☐	**Abortion assessment (ref : BO AVO) :** Anaplasma phagocytophilum,BVD (Viral Diarrhea Bovine),Brucella spp.,Chlamydophila abortus,Coxiella burnetii,Leptospira spp.,Mycobacterium avium,Neospora caninum,Salmonella spp.,IBR (Infectious Bovine Rhinotracheitis),Toxoplasma gondii.	100€ *	120 €	5ml or 2 x 5ml by the number of targets		E		X	P							
☐	**Anemia Assessment (ref : BO ANE) :** Anaplasma phagocytophilum,Babesia spp.,Theileria spp.,Borrelia burgdorferi sensu lato,Borrelia hermsii,Borrelia miyamotoi,Leptospira spp.,Bartonella spp.,Bartonella henselae,Bartonella Quintana,Brucella spp.,Coxiella burnetii,Ehrlichia spp.,Rickettsia spp.	170€ *	204 €			E										
EQUINE																
☐	**Piro-like assessment (ref : EQ PIRO2) :** Anaplasma phagocytophilum, Babesia caballi, Theileria equi, Borrelia burgdorferi sensu lato, Borrelia hermsii, Borrelia miyamotoi, Ehrlichia spp., Leptospira spp.	80€ *	96 €			E										
☐	**Piro-like+ assessment (ref : EQ PIRO3) : Piro-like** + Bartonella spp., Bartonella henselae, Bartonella Quintana, Brucella spp., Coxiella burnetii, Rickettsia spp., West Nile virus, Powassan virus.	140€ *	168 €			E										
☐	**Piro-like++ assessment (ref : EQ PIRO4) : Piro-like+** + Mycoplasma, Candida, Francisella tularensis	170€ *	204 €	5ml or 2 x 5ml by the number of targets		E										
☐	**Neuro 1 assessment (ref : EQ NER1) :** virus herpes equine 1, virus herpes equine 4, Neospora caninum, Toxoplasma gondii.	30€ *	36 €							ENP	LCS					
☐	**Abortion assessment (ref : EQ AVO) :** Chlamydophila abortus, Coxiella burnetii, virus herpes equine 1, virus herpes equine 4, Leptospira spp., Neospora caninum	60€ *	72 €			E		EV	P	ENP						
☐	**Respiratory assessment 1 (ref : EQ RESP1) :** virus herpes equine 1, virus herpes equine 4, Influenza A, Viral Arteritis Virus.	30€ *	36 €			E				ENP						
DOG																
☐	**Respiratory syndrome 1 (ref : CAN RESP1) :** Bordetella bronchiseptica, Adénovirus CAV-2, canine herpes	25€ *	30 €	1ml		E						EOP				
☐	**Respiratory syndrome 2 (ref : CAN RESP2) :** RESP1 + Distemper and Influenza A	40€ *	48 €	1ml		E						EOP	EC			
☐	**Intestinal problems 1 (ref : CAN INT1) :** Parvovirus canin + Coronavirus canin	15€ *	18 €	1ml										ER		
☐	**Intestinal problems 2 (réf : CAN INT2) :** INT1 + Leptospira spp., Giardia intestinalis, Cryptosporidium spp., Salmonella spp.	40€ *	48 €	1ml		E								ER		
☐	**Neurological disorders 1 (ref : CAN NEU1) :** Toxoplasma gondii, Neospora caninum, distemper, Adenovirus CAV-1	30€ *	36 €	1ml		E					LCS					
☐	**Neurological disorders 2 (ref : CAN NEU2) :** Toxoplasma gondii, Neospora caninum, distemper, Adenovirus CAV-1, Ehrlichia spp., Anaplasma spp.	40€ *	48 €	1ml		E					LCS					
☐	**Anemia syndrome (ref : CAN ANE1) :** Babesia spp., Ehrlichia spp., Anaplasma spp., Bordetella, bronchiseptica	30€ *	36 €	1ml		E				ENP						
CAT																
☐	**Ocular syndrome 1 (ref : FEL OC1) :** felin herpes virus , Chlamydia spp., Mycoplasma felis	20€ *	24 €	1ml									EC			
☐	**Ocular syndrome 2 (ref : FEL OC2) :** OC1 + Calicivirus	30€ *	36 €	1ml		E							EC			
☐	**Anemia syndrome 1 (ref : FEL ANE1) :** FCoV, FeLV, FIV	20€ *	24 €	1ml		E										
☐	**Anemia syndrome 2 (ref : FEL ANE2) :** ANE1 + Mycoplasma haemofelis	30€ *	36 €	1ml		E							EC			
☐	**Uveitis and neurological involvement 1 (ref : FEL UN1) :** FCoV, Toxoplasma gondii	15€ *	18 €	1ml		E										
☐	**Uveitis and neurological involvement 2 (ref : FEL UN2) :** UN1 + FeLV, FIV, feline herpes virus	35€ *	42 €	1ml		E							EC			
☐	**Coryza syndrome 1 (ref : FEL COR1) :** Calicivirus, feline herpes virus, Mycoplasma felis, Bordetella, bronchiseptica, Chlamydia spp.	40€ *	48 €	1ml		E				ENP			EC			
☐	**Reproductive disorders (ref : FEL REP1) :** feline herpes virus, Chlamydia spp., Calicivirus	20€ *	24 €	1ml				EV	P							
Toxicology & Heavy Metals																
☐	**Package 1 :** heavy metals only	120€ *	144 €	1ml		E										
☐	**Package 2 :** Complete analysis (Heavy metals + trace elements + minerals)	180€ *	216 €	5ml or 2g		E									P	A
Gnawings																
☐	Hantavirus	60 €	72 €	1ml					Urine, saliva, or stool							
Water																
☐	Legionella spp.			Contact us												

(*) *Outside of the package, the cost of an analysis to search for one or more targets is: €40 excluding taxes for the first target and €10 excluding taxes for each subsequent target.*