

Family name:		First name:	
Address:			
Zip Code:	City:	Country:	
Phone:	E-mail:		
Date of birth:	Sex: <input type="radio"/> Male / <input type="radio"/> Female	Date and hour blood drawn:	
Name of requesting physician:		Your patient ref.:	

Immune Dysfunctions, Environmental Exposure, Oxidative Stress, Genotyping, Gene Expressions, Activity assays, Intestinal Functions

RNA-based tests : One Tempus™ tube. Stable for 72 hours at ambient temperature. For longer periods freeze and ship at -20 °C					
<input type="checkbox"/> PERF	Perforin expression NK cell activity	115 €	<input type="checkbox"/> CYTH	Th1/Th2 cytokines (IL-2, IL-4, IFN γ mRNA)	118 €
<input type="checkbox"/> ELAS	Elastase expression Neutrophil activation	115 €	<input type="checkbox"/> CYTI	Cytokine RNA, inflammatory IL-6, IL-8, IL-10, TNF, TGF- β 1, MIP-1 β mRNA	164 €
<input type="checkbox"/> CBR	Cannabinoid receptors (CBR1 & CBR2) mRNA expression (PCR test)	165 €			

Whole blood-based tests : 2 ml whole blood in EDTA tube. Keep at ambient temperature or 4 °C. Stable for 48 hours. <u>Do not freeze</u>					
<input type="checkbox"/> CD57	CD57 absolute count Absolute number of CD57+/CD3- cells	62 €	<input type="checkbox"/> GVDR	VDR polymorphisms (Fok1, Bsm1)	74 €
<input type="checkbox"/> CD56 NK	NK cells (CD16/CD56) abs. count Absolute number of CD16+/CD56+ cells	62 €	<input type="checkbox"/> GFOL	Methylation cycle polymorphisms MTHFR 677C/T and 1298A/C	74 €
<input type="checkbox"/> IMPH	Immunophenotyping CD4, CD8 and CD56 determination	62 €	<input type="checkbox"/> IDGP	Genetics of intestinal inflammation Polymorphisms of ATG16L1 and TLR4	97 €
			<input type="checkbox"/> LACT	Genetic lactase deficiency C/T-13910 polymorphism of the lactase gene	74 €

Serum-based tests : 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4 °C for 24h. For longer periods, aliquot, freeze and ship frozen.

<input type="checkbox"/> CYTS	Proinflammatory cytokines IL-1 β , IL-6, IL-8, IL-10, IL-12p70, TNF, TGF- β 1, MIP-1 β , MCP1	164 €	<input type="checkbox"/> IMBA	IgA/IgM intestinal bacteria (leaky gut) Detection of IgA/IgM directed against Klebsiella pneumoniae, Pseudomonas aeruginosa, Citrobacter koseri, Pseudomonas putida, Morganella morganii, Hafnia alvei.	80 €
<input type="checkbox"/> IL-8	IL-8 serum level	79 €	<input type="checkbox"/> CELI	Tissue transglutaminase and Gliadin Ab tTg IgG and IgA; Gliadin ^{DP} IgG and IgA	90 €
<input type="checkbox"/> IL-17	IL-17 serum level	79 €	<input type="checkbox"/> sCD14	Soluble CD14	70 €
<input type="checkbox"/> VEGF	VEGF serum level	70 €	<input type="checkbox"/> IMOX	IgA/IgM oxidative products	74 €
<input type="checkbox"/> PGE2	Prostaglandin E2 serum level	70 €	<input type="checkbox"/> OXFA	MDA-TBARS Fatty acids oxidation	70 €
<input type="checkbox"/> AMMON	Ammonia serum level	70 €	<input type="checkbox"/> ANOX	Total antioxidant capacity	79 €
<input type="checkbox"/> MMP-9	MMP-9 serum level	80 €	<input type="checkbox"/> D-Lact	D-lactate serum level	70 €
<input type="checkbox"/> CD38	CD38 serum level	100 €	<input type="checkbox"/> L-Lact	L-lactate serum level	70 €
<input type="checkbox"/> VIP	Vasointestinal peptide serum level	90 €	<input type="checkbox"/> KYNA	Kynurenic acid serum level	100 €
<input type="checkbox"/> C3AS	C3A serum level	79 €	<input type="checkbox"/> QUINO	Quinolinic acid serum level	100 €
<input type="checkbox"/> C4AS	C4A serum level	79 €	<input type="checkbox"/> hs-CRP	high sensitivity C-reactive protein serum level	70 €
<input type="checkbox"/> ANA/ ENA	Immunoblot for autoantibodies (IgG) in Connective Tissue Diseases	135 €	<input type="checkbox"/> a-MSH	alpha-Melanocyte stimulating hormone	100 €
<input type="checkbox"/> AA-Neuro	Autoantibodies against neuronal antigens (IgG)	140 €	<input type="checkbox"/> S100B	S100B protein serum level	100 €

Tests with special sampling instructions					
<input type="checkbox"/> Cortisol	Cortisol (diurne)	80 €	Saliva samples (5 sampling times) in special kits (please ask for kits and sampling instructions). Send on ambient temperature.		
<input type="checkbox"/> METU	28-element urine profile Al, Sb, As, Ba, Be, Bi, Pb, Ce, Ga, Cd, Ni, Pd, Pt, Hg, Pr, Re, Rh, Ru, Ag, Te, Tl, Sn, W, U, Zr, Cu, Se, Zn	139 €	10-15 ml urine in tightly capped urine container, ambient temperature. Indicate if the sample is after chelation therapy.		
<input type="checkbox"/> PrPc	PrPc functional testing	75 €	2 x 8 ml whole blood in Na-heparin tube, must arrive to the Lab within 36h (keep at ambient temp)		
<input type="checkbox"/> PHAGO	Phagotest: Macrophage activity	95 €	1 x 8 ml whole blood in Na-heparin tubes, received within 36 hours at room temperature. (*Only from Monday till Wednesday).		
<input type="checkbox"/> NAGA	Nagalase Activity alpha-N-acetylgalactosaminidase	89 €	3ml serum: collect blood in serum tube (tube with gel), allow to clot for 1h, centrifuge (3000rpm 10min), aliquot & store at -20° / -80°C. Send frozen. Centrifuged serum tube could be shipped on ambient temperature if its delivery to our Lab is ensured in max 24h after the blood sampling. OR 3 ml plasma: collect blood in BD EDTA tube, centrifuge (3000rpm 10min), max 1h after sampling, aliquot & store at -20° / -80°C. Send frozen.		

Viral infections (PCR Tests)

<input type="checkbox"/> HHV6	Human Herpesvirus 6 <small>Includes detection of chromosomal integration</small>	<input type="checkbox"/> TBE	Tick-borne encephalitis virus ! RNA: special collection tube !	Cost of PCR test: Blood: 50 € for DNA extraction / 63 € for RNA extraction + 53 € per PCR Biopsy: 75 € for NA extraction (DNA+RNA) + 53 € per PCR Sample required: Blood: 2 ml whole blood in EDTA tube. Stable for 48 hours. For longer periods freeze at -20°C or -80°C PCR tests marked as «RNA» (TBE, WENV, COXV, ENTV) require special collection tubes → Tempus™ tube Biopsy in sterile tube with RNAlater. Freeze at -20°C or -80°C.
<input type="checkbox"/> HHV7	Human Herpesvirus 7	<input type="checkbox"/> WENV	West Nile virus ! RNA: special collection tube !	
<input type="checkbox"/> HHV8	Human Herpesvirus 8	<input type="checkbox"/> ENTV	Enterovirus ! RNA: special collection tube !	
<input type="checkbox"/> PARV	Parvovirus B19	<input type="checkbox"/> COXV	Coxsackie virus ! RNA: special collection tube !	
<input type="checkbox"/> EPBV	Epstein-Barr virus	<input type="checkbox"/> ADVfg	Adenovirus F&G	
<input type="checkbox"/> CYMV	Cytomegalovirus			

Molds IgG

<input type="checkbox"/> CALB	Candida albicans IgG	<input type="checkbox"/> CLAH	Cladosporium herbarum IgG	Cost each determination: 29 € Cost panel: 132 € Sample required: 2 ml serum. Stable for 24 hours at ambient temperature, for one week at 4 °C. For longer periods, centrifuge the serum tube, aliquot and store at -20 °/ -80 °C
<input type="checkbox"/> ASPN	Aspergillus niger IgG	<input type="checkbox"/> ALTA	Alternaria alternata IgG	
<input type="checkbox"/> PENC	Penicillium chrysogenum IgG	<input type="checkbox"/> ASPF	Aspergillus fumigatus IgG	
<input type="checkbox"/> MOLP	Molds IgG panel (CALB+ASPN+PENC+CLAH+ALTA+ASPF)			

Bacterial and Viral infections, Zoonosis, Mycoplasma, Chlamydia, Mycobacteria

<input type="checkbox"/> CHLP	Chlamydia pneumoniae <small>Preferably sputum</small>	<input type="checkbox"/> COXI	Coxiella spp.	PCR TESTS Cost of PCR test: Blood: 50 € for blood sample processing + 99 € per PCR Fluid biopsy (sputum, swab, CSF): 75 € for sample processing + 99 € per PCR Sample required: Blood: 2 ml whole blood in EDTA tube. Stable for 48hours. For longer periods freeze at -20 °C or -80 °C Sputum, swab: sample in a sterile, dry tube (no buffer or fixative of any kind). Stable for 24 hours. For longer periods freeze at -20°C or -80°C
<input type="checkbox"/> CHLT	Chlamydia trachomatis <small>Preferably swab</small>	<input type="checkbox"/> BRUC	Brucella spp.	
<input type="checkbox"/> CHLPST	Chlamydia psittaci	<input type="checkbox"/> BORB	Borrelia burgdorferi sl	
<input type="checkbox"/> MYCPs	Mycoplasma spp. + Mycopl. pneumoniae	<input type="checkbox"/> BART	Bartonella spp.	
<input type="checkbox"/> EHRL	Ehrlichia chaffeensis-canis	<input type="checkbox"/> BABE	Babesia spp.	
<input type="checkbox"/> ANAP	Anaplasma phagocytophilum	<input type="checkbox"/> RICK	Rickettsia spp.	
<input type="checkbox"/> MycoFERM	Mycoplasma fermentans	<input type="checkbox"/> MidiMitoch	Midichloria mitochondrii	

SERUM-BASED TESTS : Sample required: 2 ml serum. Stable for 24 hours at ambient temperature, for one week at 4°C. For longer periods, centrifuge, aliquot & freeze.

IMMUNOASSAYS

<input type="checkbox"/> ZONP	Zoonosis screening (serology) <small>Bartonella henselae, Borrelia burgdorferi, Coxiella burnetii, Rickettsia conorii</small>	180 €	<input type="checkbox"/> TULAR	Tularemia serology If positive Tularemia IgM ELISA	46 € 80 €
<input type="checkbox"/> LEPTO	Leptospira serology IgM	53 €	<input type="checkbox"/> SeroEBVimas	Epstein-Barr virus immunoassay VCA & EBNA	46 €
<input type="checkbox"/> BruCAPT	Brucella serology	65 €	<input type="checkbox"/> SCHIS	Schistosomiasis (Bilharziosis) serology	70 €
<input type="checkbox"/> TOXO	Toxoplasmosis serology- IgG & IgM	50 €	<input type="checkbox"/> FILAR	Filariasis (Philariasis) serology	50 €
<input type="checkbox"/> CMVser	Cytomegalovirus serology- IgG & IgM	50 €	<input type="checkbox"/> FASCIO	Fascioliasis serology	70 €

IMMUNOBLOTS (WESTERN BLOTS) WITH DIAGRAM

<input type="checkbox"/> SeroBORREL	Borrelia IgG & IgM immunoblot <small>Borrelia burgdorferi ss, B. afzelii, B. garinii, B. spielmanii, B. bavariensis</small>	159 €	<input type="checkbox"/> SeroCHLAM	Chlamydias IgG & IgA immunoblot <small>Chlamydia pneumoniae, Chlamydia trachomatis, Chlamydia psittaci</small>	159 €
<input type="checkbox"/> SeroYERS	Yersinia IgG & IgA immunoblot	159 €	<input type="checkbox"/> SeroTRPN	Treponema IgG & IgM immunoblot	159 €
<input type="checkbox"/> SeroEBVblot	Epstein-Barr virus IgG & IgA immunoblot	159 €	<input type="checkbox"/> SeroHPylor	Helicobacter pylori IgG & IgA immunoblot	159 €
<input type="checkbox"/> SeroTORCH	COMBO TORCH IgG & IgM immunoblot <small>Toxoplasma gondii, rubella virus, cytomegalovirus (CMV), herpes simplex virus type 1 & 2 (HSV-1/2)</small>	159 €	<input type="checkbox"/> SeroHanta	COMBO Hanta Plus viruses IgG & IgM immunoblot <small>Hantavirus (serotypes Puumala (PuN), Sin Nombre (SinN), Hantaan (HaN), Dobrava (DobN) and Seoul (SeoN)), Sandfly Fever Virus (SFFV) serotypes Toscana and Sicilian</small>	159 €
<input type="checkbox"/> SeroPARVO	Parvovirus B19 IgG & IgM immunoblot	159 €	<input type="checkbox"/> SeroHCV	Hepatitis virus C IgG immunoblot	110 €
<input type="checkbox"/> SeroHSV1/2	Herpes virus 1&2 IgG immunoblot	110 €	<input type="checkbox"/> SeroHepE	Hepatitis virus E IgG & IgM immunoblot	159 €
<input type="checkbox"/> SeroTropical	COMBO Tropical Fever IgG & IgM immunoblot <small>Chikungunya virus, Dengue fever virus, Zika virus</small>	159 €	<input type="checkbox"/> SeroCMV	Cytomegalovirus IgG & IgM immunoblot	159 €

<input type="checkbox"/> MycoB	Mycobacterium QuantiFeron GOLD test: detects responses in vitro to mycobacterium infection by measuring IFN-γ response to either ESAT-6 or CFP-10 antigens	Costs 95 € Special tubes required: shipped upon request; tubes must be stored for 16-24h at 37°C after the blood draw .		
--------------------------------	---	---	--	--

FISH TESTS and Blood morphology exam : Sample required: EDTA Blood: NOT FROZEN. Stable for 48h.

<input type="checkbox"/> BabesFISH	Babesia spp FISH test	140 €	<input type="checkbox"/> SlideBorrel	Finger blood microscope exam (Borrelia spirochetes) Sample required: finger blood (300µl) NOT FROZEN	45 €
------------------------------------	------------------------------	-------	--------------------------------------	--	------

I am aware that the laboratory has no RIZIV /I NAMI number. These tests are «research only»; interpretation must be done by a health care professional. The cost for the requested analyses will be invoiced directly to me by R.E.D Laboratories, at the above mentioned rate. I hereby authorize R.E.D Laboratories to possibly use my blood sample for research purposes.

Signature:

Date:

A signed copy of this form must be sent together with your samples. Be aware that RED Labs generates **electronic invoices**.

V15112017