

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

Immune Dysfunction			
<input type="checkbox"/>	<b>CYTS</b>	<b>Proinflammatory cytokines</b> IL-1 $\beta$ , IL-6, IL-8, IL-10, IL-12p70, TNF, TGF- $\beta$ 1, MIP-1 $\beta$ , MCP1	<b>164 €</b> 2 ml serum, centrifuged within 2 hours. Aliquot and store at -80°C
<input type="checkbox"/>	<b>CYTH</b>	<b>Th1/Th2 cytokines</b> (IL-2, IL-4, IFN $\gamma$ mRNA)	<b>118 €</b> One Tempus™ tube. Stable for 72 hours at ambient temperature. For longer periods freeze and ship at -20°C
<input type="checkbox"/>	<b>CYTI</b>	<b>Cytokine RNA, inflammatory</b> IL-6, IL-8, IL-10, TNF, TGF- $\beta$ 1, MIP-1 $\beta$ mRNA	<b>164 €</b> One Tempus™ tube. Stable for 72 hours at ambient temperature. For longer periods freeze and ship at -20°C
<input type="checkbox"/>	<b>PERF</b>	<b>Perforin expression</b> NK cell activity	<b>115 €</b> One Tempus™ tube. Stable for 72 hours at ambient temperature. For longer periods freeze and ship at -20°C
<input type="checkbox"/>	<b>ELAS</b>	<b>Elastase expression</b> Neutrophil activation	<b>115 €</b> One Tempus™ tube. Stable for 72 hours at ambient temperature. For longer periods freeze and ship at -20°C
<input type="checkbox"/>	<b>CD57</b>	<b>CD57 absolute count</b> Absolute number of CD57+/CD3- cells	<b>62 €</b> 2 ml whole blood in EDTA tube. Keep at ambient temperature or 4°C. Stable for 48 hours. Do not freeze
<input type="checkbox"/>	<b>CD56 NK</b>	<b>NK cells (CD16/CD56) abs. count</b> Absolute number of CD16+/CD56+ cells	<b>62 €</b> 2 ml whole blood in EDTA tube. Keep at ambient temperature or 4°C. Stable for 48 hours. Do not freeze
<input type="checkbox"/>	<b>IMPH</b>	<b>Immunophenotyping</b> CD4, CD8 and CD56 determination	<b>62 €</b> 2 ml whole blood in EDTA tube. Keep at ambient temperature or 4°C. Stable for 48 hours. Do not freeze
<input type="checkbox"/>	<b>SCD14</b>	<b>Soluble CD14</b>	<b>70 €</b> 2 ml SERUM. Keep at ambient temperature or 4°C. Stable for 24h. For longer periods, centrifuge the serum tube, aliquot and store at -20° / -80°C
<input type="checkbox"/>	<b>C3AS</b>	<b>C3A serum level</b>	<b>79 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>C4AS</b>	<b>C4A serum level</b>	<b>79 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>PGE2</b>	<b>Prostaglandin E2 serum level</b>	<b>70 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>VEGF</b>	<b>VEGF serum level</b>	<b>70 €</b> 2 ml SERUM. Keep at ambient temperature or 4°C. Stable for 24h. For longer periods, centrifuge the serum tube, aliquot and store at -20° / -80°C
<input type="checkbox"/>	<b>IL-17</b>	<b>IL-17 serum level</b>	<b>79 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>IL-8</b>	<b>IL-8 serum level</b>	<b>79 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>D-Lact</b>	<b>D-lactate serum level</b>	<b>70 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>L-Lact</b>	<b>L-lactate serum level</b>	<b>70 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>AMMON</b>	<b>Ammonia serum level</b>	<b>70 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>MMP-9</b>	<b>MMP-9 serum level</b>	<b>80 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
<input type="checkbox"/>	<b>KYNA</b>	<b>Kynurenic acid serum level</b>	<b>100 €</b> 2 ml SERUM. Centrifuge immediately after clotting. Keep at ambient temperature or 4°C for 24h. For longer periods, aliquot and store at -20° / -80°C.
Environmental Exposure, Oxidative Stress			
<input type="checkbox"/>	<b>PrPc</b>	<b>PrPc functional testing</b>	<b>75 €</b> 2 x 8 ml whole blood in Na-heparin tube, shipped within 24h (keep at ambient temp)
<input type="checkbox"/>	<b>MEL1</b>	<b>MELISA® Nickel &amp; Mercury</b> ATEGIS TEST Hg-MeHg-PhHg-Ni	<b>250 €</b> 20 ml whole blood in Na-Citrate tube, shipped within 48 hours (keep at ambient temperature). Send tubes Monday-Tuesday-Wednesday only
<input type="checkbox"/>	<b>METU</b>	<b>28-element urine profile</b> Al, Sb, As, Ba, Be, Bi, Pb, Cd, Ga, Cd, Ni, Pd, Pt, Hg, Pr, Re, Rh, Ru, Ag, Te, Tl, Sn, W, U, Zr, Cu, Se, Zn	<b>139 €</b> 10-15 ml urine in urine container, ambient temperature. Indicate if the sample is after chelation therapy.
<input type="checkbox"/>	<b>ANOX</b>	<b>Total antioxidant capacity</b>	<b>79 €</b> 2 ml serum. Stable for 24h. For longer periods: centrifuge, aliquot freeze; ship frozen
<input type="checkbox"/>	<b>IMOX</b>	<b>IgA/IgM oxidative products</b>	<b>74 €</b> 2 ml serum. Stable for 24h. For longer periods: centrifuge, aliquot, freeze; ship frozen
<input type="checkbox"/>	<b>OXFA</b>	<b>MDA-TBARS Fatty acids oxidation</b>	<b>70 €</b> 2 ml serum. Stable for 24h. For longer periods: centrifuge, aliquot, freeze; ship frozen
Genotyping (VDR, MTHFR) and Cannabinoid receptors expression			
<input type="checkbox"/>	<b>GVDR</b>	<b>VDR polymorphisms</b> (Fok1, Bsm1)	<b>74 €</b> 2 ml whole blood in EDTA tube. Stable for 48 hours. For longer periods freeze at -20°C / -80°C
<input type="checkbox"/>	<b>GFOL</b>	<b>Methylation cycle polymorphisms</b> MTHFR 677C/T and 1298A/C	<b>74 €</b> 2 ml whole blood in EDTA tube. Stable for 48 hours. For longer periods freeze at -20°C / -80°C
<input type="checkbox"/>	<b>CBR</b>	<b>Cannabinoid receptors (CBR1 &amp; CBR2) mRNA expression (PCR test)</b>	<b>165 €</b> One Tempus™ tube with whole blood. Stable for 72 hours at ambient temperature. For longer periods freeze and ship at -20°C .
OTHER Tests (activity assays)			
<input type="checkbox"/>	<b>PHAGO</b>	<b>Phagotest:</b> Macrophage activity	<b>95 €</b> 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"/>	<b>NAGA</b>	<b>Nagalase Activity</b> alpha-N-acetylgalactosaminidase	<b>89 €</b> <b>3ml serum:</b> collect blood in serum tube (BD Vacutainer SST II Advance), allow to clot for 1h, centrifuge (3000rpm 10min), aliquot & store at -20° / -80°C. Send frozen. <b>OR 3 ml plasma:</b> collect blood in BD EDTA tube, centrifuge (3000rpm 10min), max 1h after sampling, aliquot & store at -20° / -80°C. Send frozen.

Viral infections				
<input type="checkbox"/> HHV6	<b>Human Herpesvirus 6</b> Includes detection of chromosomal integration	<input type="checkbox"/> CYMV	<b>Cytomegalovirus</b>	<b>Cost of PCR test:</b> <b>Blood:</b> 50 € for DNA extraction / 63 € for RNA extraction + 53 € per PCR
<input type="checkbox"/> HHV7	<b>Human Herpesvirus 7</b>	<input type="checkbox"/> WENV	<b>West Nile virus</b> ! RNA: special collection tube !	<b>Biopsy:</b> 75 € for NA extraction (DNA+RNA) + 53 € per PCR
<input type="checkbox"/> HHV8	<b>Human Herpesvirus 8</b>	<input type="checkbox"/> ENTV	<b>Enterovirus</b> ! RNA: special collection tube !	<b>Sample required:</b>
<input type="checkbox"/> PARV	<b>Parvovirus B19</b>	<input type="checkbox"/> COXV	<b>Coxsackie virus</b> ! RNA: special collection tube !	<b>Blood:</b> 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» (WENV, COXV, ENTV) require special collection tubes → Tempus™ tube
<input type="checkbox"/> EPBV	<b>Epstein-Barr virus</b>			<b>Biopsy</b> in sterile tube with RNAlater. Freeze at -20°C or -80°C.

<input type="checkbox"/> CALB	Candida albicans IgG	<input type="checkbox"/> CLAH	Cladosporium herbarum IgG	<b>Cost each determination: 29 €</b> <b>Cost panel: 132 €</b>
<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	<b>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</b>
<input type="checkbox"/> MOLP	<b>Molds IgG panel (CALB+ASPN+PENC+CLAH+ALTA+ASPF)</b>			

PCR TESTS	
1	PCR TESTS

<input type="checkbox"/> CHLP	<b>Chlamydia pneumoniae</b> Preferably sputum	<input type="checkbox"/> COXI	Coxiella spp.	<b>Cost of PCR test:</b> <b>Blood:</b> 50 € for blood sample processing + 99 € per PCR <b>Fluid biopsy (sputum, swb, CSF):</b> 75 € for sample processing + 99 € per PCR <b>Sample required:</b> <b>Blood:</b> 2 ml whole blood in EDTA tube. Stable for 48hours. For longer periods freeze at –20 °C or –80 °C <b>Sputum, swab:</b> 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	<b>Chlamydia trachomatis</b> Preferably swab	<input type="checkbox"/> BRUC	Brucella spp.	
<input type="checkbox"/> CHLPST	<b>Chlamydia psittaci</b>	<input type="checkbox"/> BORB	Borrelia burgdorferi sl	
<input type="checkbox"/> MYCPs	<b>Mycoplasma spp. + Mycopl. pneumoniae</b>	<input type="checkbox"/> BART	Bartonella spp.	
<input type="checkbox"/> EHRL	<b>Ehrlichia chaffeensis-canis</b>	<input type="checkbox"/> BABE	Babesia spp.	
<input type="checkbox"/> ANAP	<b>Anaplasma phagocytophilum</b>	<input type="checkbox"/> RICK	Rickettsia spp.	
<input type="checkbox"/> MycoFERM	<b>Mycoplasma fermentans</b>	<input type="checkbox"/> MidiMitoch	Midichloria mitochondrii	

**SEROLOGY :** Sample required: 2 ml serum. Stable for 24 hours at ambient temperature, for one week at 4°C. For longer periods, centrifuge, aliquot & store at -20° / -80°C.

<input type="checkbox"/> SeroBORREL	<b>Borrelia serology- IgG &amp; IgM (immunoblot) Costs: 159 €</b> Borrelia burgdorferi ss, B. afzelii, B. garinii, B. spielmanii, B.bavariensi	<input type="checkbox"/> TOXO	<b>Toxoplasmosis serology- IgG &amp; IgM Costs: 50 €</b>
<input type="checkbox"/> SeroCHLAM	<b>Chlamydias serology- IgG &amp; IgA/M (immunoblot) Costs: 159 €</b> Chlamydia pneumoniae, Chlamydia trachomatis, Chlamydia psittaci	<input type="checkbox"/> CMVser	<b>Cytomegalovirus serology- IgG &amp; IgM Costs: 50 €</b>
<input type="checkbox"/> SeroYERS	<b>Yersinia serology- IgG &amp; IgA/M (immunoblot) Costs: 159 €</b>	<input type="checkbox"/> SCHIS	<b>Schistosomiasis (Bilharziosis) serology Costs: 70 €</b>
<input type="checkbox"/> SeroEBVblot <input type="checkbox"/> SeroEBVimas	<b>Epstein-Barr virus serology- IgG &amp; IgA immunoblot: Costs 159 €</b> <b>Epstein-Barr virus immunoassay VCA &amp; EBNA: Costs 46 €</b>	<input type="checkbox"/> FILAR	<b>Filariasis (Philariasis) serology Costs: 50 €</b>
<input type="checkbox"/> SeroPARVO	<b>Parvovirus B19 serology- IgG &amp; IgA/M (immunoblot) Costs: 159 €</b>	<input type="checkbox"/> FASCIO	<b>Fascioliasis serology Costs: 70 €</b>
<input type="checkbox"/> SeroTRPN	<b>Treponema serology- IgG &amp; IgM (immunoblot) Costs: 159 €</b>	<input type="checkbox"/> TULAR	<b>Tularemia serology (Costs: 46 € ). If positive Tularemia IgM ELISA (80€)</b>
<input type="checkbox"/> ZONP	<b>Zoonosis screening (serology) Panel Costs 180 €</b> Bartonella henselae, Borrelia burgdorferi, Coxiella burnetii, Rickettsia conorii	<input type="checkbox"/> LEPTO	<b>Leptospira serology IgM Costs: 53 €</b>
		<input type="checkbox"/> BruCAPT	<b>Brucella serology Costs: 65 €</b>
<input type="checkbox"/> MycoB	<b>Mycobacterium QuantiFeron GOLD test:</b> detects responses in vitro to mycobacterium infection by measuring IFN-γ response to either ESAT-6 or CFP-10 antigens	<b>Costs 75 €</b> <b>!!!! <i>Special tubes required; shipped upon request</i></b>	

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

<input type="checkbox"/> <b>BabesFISH</b>	<b>Babesia spp FISH test</b> Costs 140€. Sample required: 1 EDTA tube with whole blood NOT FROZEN	
<input type="checkbox"/> <b>SlideBorrel</b>	<b>Finger blood microscope exam (Borrelia spirochetes)</b> Costs 45€. Sample required: finger blood (300µl) NOT FROZEN	

<input type="checkbox"/> <b>IMBA</b>	<b>IgA/IgM intestinal bacteria (leaky gut)</b> Detection of IgA/IgM directed against <i>Klebsiella pneumoniae</i> , <i>Pseudomonas aeruginosa</i> , <i>Citrobacter koseri</i> , <i>Pseudomonas putida</i> , <i>Morganella morganii</i> , <i>Hafnia alvei</i> .	<b>80 €</b>	2 ml serum. Stable for 24h at ambient temperature, for one week at 4°C. For longer periods, centrifuge & store at -20° / -80°C
<input type="checkbox"/> <b>CELI</b>	<b>Tissue transglutaminase and Gliadin Ab</b> tTg IgG and IgA; Gliadin <sup>DP</sup> IgG and IgA	<b>60 €</b>	2 ml serum. Stable for 24h at ambient temperature, for one week at 4°C. For longer periods store at -20° / -80°C
<input type="checkbox"/> <b>IDGP</b>	<b>Genetics of intestinal inflammation</b> Polymorphisms of ATG16L1 and TLR4	<b>97 €</b>	2 ml whole blood in EDTA tube. Stable for 48 hours. For longer periods freeze at -20°C / -80°C
<input type="checkbox"/> <b>LACT</b>	<b>Genetic lactase deficiency</b> C/T <sup>-13910</sup> polymorphism of the lactase gene	<b>74 €</b>	2 ml whole blood in EDTA tube. Stable for 48 hours. For longer periods freeze at -20°C / -80°C

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