

CLINICAL
TRIALS

MICROBIOTA
NGS PLATFORM

RESEARCH
PROGRAMS

CENTRAL LAB

BIOFORTIS CATALOG **Central Lab activity**

METABOLISM
IMMUNOLOGY
ONCOLOGY
INFECTIOUS
GASTRO INTESTINAL...

biofortis.fr



CENTRAL LAB & MICROBIOME



Damien GARÇON

damien.garcon@biofortis.fr

Mobile: +33 6 32 22 31 85

Std: +33 2 40 20 57 99

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This catalog is constantly evolving and we implement new parameters with method validation on request.

Do not hesitate to contact us, we will be pleased to support your activities.

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Business Team

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BIOCHEMISTRY

GENERAL

Parameter	Method	Matrix
Dry matter	Dessication	Stools
Faecal pancreatic Elastase	ELISA	Stools
Faecal Eosinophil Cationic Protein (ECP)	ELISA	Stools
Faecal calprotectin	Immunoturbidimetry	Stools
Faecal Alpha 1 antitrypsin	Immunoenzymatic test	Stools
Faecal EDN	ELISA	Stools
Faecal Hemoglobin	Immuno-chromatography (manual technique)	Stools
Faecal neopterin	ELISA	Stools
Fecal Zonulin	ELISA	Stools
pH	pH metry	Stools
Secretory IgA	ELISA	Stools
Vaginal pH	Direct examination	Vagina
Humidity rate	Dessication	Stools

BILE ACIDS

Parameter	Method	Matrix
Humidity rate	Dessication	Stools
Bile salts	LC-MS/MS (Liquid chromatography-mass spectrometry)	Stools
chenodeoxycholic acid (bile acid)	LC-MS/MS (Liquid chromatography-mass spectrometry)	Stools
Cholic acid	LC-MS/MS (Liquid chromatography-mass spectrometry)	Stools
Deoxycholic acid	LC-MS/MS (Liquid chromatography-mass spectrometry)	Stools
Lithocholic acid	LC-MS/MS (Liquid chromatography-mass spectrometry)	Stools
Ursodesoxycholic acid	LC-MS/MS (Liquid chromatography-mass spectrometry)	Stools

SHORT CHAIN FATTY ACIDS

Parameter	Method	Matrix
Fecal acetate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Stools
Fecal butyrate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Stools
Fecal isobutyrate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Stools
Fecal propionate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Stools
Fecal valerate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Stools

GASTROINTESTINAL PANEL

Parameter	Method	Matrix
Adenovirus F 40/41	PCR	Stools
Astrovirus	PCR	Stools
Campylobacter	PCR	Stools
Clostridium difficile toxin A/B	PCR	Stools
Cryptosporidium	PCR	Stools
Cyclospora cayetanensis	PCR	Stools
E. coli O157	PCR	Stools
Entamoeba histolytica	PCR	Stools
Enteroaggregative E. coli (EAEC)	PCR	Stools
Enteropathogenic E. coli (EPEC)	PCR	Stools
Enterotoxigenic E. coli lt/st (ETEC)	PCR	Stools
Giardia lamblia	PCR	Stools
Norovirus GI/GII	PCR	Stools
Plesiomonas shigelloides	PCR	Stools
Rotavirus A	PCR	Stools
Salmonella	PCR	Stools
Sapovirus	PCR	Stools
Shiga-like toxin-producing E. coli stx1/stx2 (STEC)	PCR	Stools
Shigella/Enteroinvasive E. coli (EIEC)	PCR	Stools
Vibrio	PCR	Stools
Vibrio cholerae	PCR	Stools
Yersinia enterocolitica	PCR	Stools

MICROBIOLOGY

MICROBIOME

Parameter	Method	Matrix
Bacteroides	Real time PCR	All
Bifidobacterium spp	Real time PCR	All
Campylobacter jejuni	Real time PCR	All
Candida albicans	Real time PCR	All
Candida glabrata	Real time PCR	All
Carbapenemase-producing bacteria (CPB)	Real time PCR	Stools
Carbapenemase-producing Enterobacteria (CPE)	Culture	Stools
Clostridium difficile	Real time PCR	All
Clostridium perfringens	Real time PCR	All
Enterobacter cloacae	Real time PCR	All
Enterobacteriaceae	Real time PCR	All
Escherichia coli	Real time PCR	All
Extended-spectrum Beta-lactamase-producing Gram-negative bacteria (ESBL)	Culture	Stools
Glycopeptide-resistant enterococci (GRE)	Culture	Stools
Helicobacter pylori	Real time PCR	All
Klebsiella oxytoca	Real time PCR	All
Lactobacillus crispatus	Real time PCR	All
Lactobacillus fermentum	Real time PCR	All
Lactobacillus gasseri	Real time PCR	All
Lactobacillus iners	Real time PCR	All
Lactobacillus jensenii	Real time PCR	All
Listeria monocytogenes	Real time PCR	Stools/ Transplants
Methicillin-resistant Staphylococcus aureus (MRSA)	Culture	Stools
Propionibacterium acnes (Cutibacterium acnes)	Real time PCR	All
Roseburia spp	Real time PCR	All
Saccharomyces Cerevisiae	Real time PCR	All
Salmonella enterica	Real time PCR	All
Salmonella spp	Real time PCR	All
Staphylococcus aureus	Real time PCR	All
Staphylococcus epidermidis	Real time PCR	All
Total bacteria	Real time PCR	All
Vancomycin and glycopeptide-resistant enterococci (VGRE)	Real time PCR	Stools

NGS

Parameter	Method	Matrix
Metabarcoding 16S targeting the V3-V4 region of the 16S rRNA gene	Next Generation Sequencing	All
Shotgun metagenomic	Next Generation Sequencing	Stools, Skin, Vagina

PARASITOLOGY

Parameter	Method	Matrix
Blastocystis hominis	Real time PCR	Stools/ Transplants
Blastocystis hominis	Microscopy	Stools
Cryptosporidium spp	Real time PCR	Stools
Cyclospora cayetanensis	Real time PCR	Stools
Cystoisospora (Isospora)	Microscopy	Stools
Cystoisospora belli	Real time PCR	Stools
Dientamoeba fragilis	Real time PCR	Stools/ Transplants
Dientamoeba fragilis	Microscopy	Stools
Encephalitozoon	Real time PCR	Stools
Entamoeba histolytica	Microscopy	Stools
Giardia lamblia	Real time PCR	Stools
Helminths	Microscopy	Stools
Helminths	Real time PCR	Stools
Isospora sp.	Microscopy (Bailanger's technic)	Stools
Microsporidia	Real time PCR	Stools
Strongyloides stercoralis	Microscopy	Stools
Strongyloides stercoralis [Real Time PCR]	Real time PCR	Stools

SAMPLE PREP

Parameter	Method	Matrix
DNA extraction (Nasal)	DNA extraction with chemical and mechanical lysis and purification on a silica column	Nasal
DNA extraction (Unstimulated saliva and panoral swab)	DNA extraction with chemical and mechanical lysis and purification on a silica column	Saliva
DNA extraction (Urines)	DNA extraction with enzymatic and chemical lysis and purification on a silica column	Urine
Extraction ADN Méthode Phenol Chloroforme	DNA Extraction with chemical and mechanical lysis	All
Maxwell® DNA extraction	Automated DNA Extraction with chemical and mechanical lysis	Stools

VIROLOGY

Parameter	Method	Matrix
Picornavirus : Aichi virus	In house Quantitative reverse transcription PCR	Stools

BLOOD

Parameter	Method	Matrix
Troponin I - High Sensitive	Chemiluminescence Microparticulate ImmunoAssay «CMIA»	Plasma
Plasminogen activator inhibitor-1	Kinetics colorimetry	Plasma
Adiponectin	ELISA	Serum/ Plasma
Albumin (blood)	Immunoturbidimetry	Serum/ Plasma
Alkaline phosphatase (ALP)	Enzymatic colorimetry	Serum/ Plasma
Apolipoprotein A1	Immunoturbidimetry	Serum/ Plasma
Apolipoprotein B	Immunoturbidimetry	Serum/ Plasma
Arylesterase activity of PON-1	Kinetics	Serum
Blood Ionised Calcium	Colorimetry with 5-nitro-5'-methyl-BAPTA reaction	Serum/ Plasma
B6 vitamin	LC/MS/MS	Serum/ Plasma
Beta2 microglobulin	Immunoturbidimetry	Serum/ Plasma
Bicarbonate	Enzymatic	Serum/ Plasma
Blood Magnesium	Colorimetry	Serum/ Plasma
Blood neopterin	ELISA	Serum
Blood uric acid	Enzymatic colorimetry	Serum/ Plasma
Blood zonulin	ELISA	Serum
Total vitamin D	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Calcium (blood)	Colorimetry with 5-nitro-5'-methyl-BAPTA reaction	Serum/ Plasma
Catalase	Colorimetry	Serum/ Plasma
Cholesterol non-HDL	Calculated	Serum/ Plasma
Cholinesterase	Colorimetric method with butyrylthiocholine	Serum/ Plasma
Troponin T - High Sensitive	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
TSH (thyroid stimulating hormon)	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Creatine kinase	UV Test	Serum/ Plasma

Parameter	Method	Matrix
Vitamin B12	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Cross Linked N-telopeptide of type I Collagen (NTx1)	ELISA	Stools
CRP C-reactive protein	Immunoturbidimetry	Serum/ Plasma
Direct Bilirubin	Colorimetric diazo	Serum/ Plasma
E vitamin	HPLC	Serum/ Plasma
β-HCG (Beta Human Chorionic Gonadotropin)	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
FGF19 - Fibroblast Growth Factor 19	ELISA	Plasma
FGF21 - Fibroblast Growth Factor 21	ELISA	Serum/ Plasma
Fibrinogen	Chronometry	Plasma
Free IGF-1	ELISA	Plasma
Fructosamin (glycated proteins)	Colorimetric test by reaction with nitroblue tetrazolium	Serum/ Plasma
GGT - Gamma-glutamyltransferase	Enzymatic colorimetry	Serum/ Plasma
GLP-1 : Glucagon-Like Peptide-1	Electrochemiluminescence	Plasma
Glucose (blood) - Fasting Glycemia	Enzymatic colorimetry with Hexokinase	Serum/ Plasma
Glutathion peroxydase	UV Test	Blood
Hb1AC - Hemoglobin glycated	Immunoturbidimetry + photometric	Blood
Cortisol (blood)	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
HDLd (direct analysis method)	Enzymatic colorimetry	Serum/ Plasma
Hemoglobin	Colorimetry	Blood
HOMA B (Homeostatic model assessment-B)	Calculated	/
HOMA IR (Homeostatic model assessment-IR)	Calculated	/
HOMA S (Homeostatic model assessment-S)	Calculated	/
HS CRP - High Sensitive C-reactive protein	Immunoturbidimetry	Serum/ Plasma
IFN γ Interferon-gamma	ELISA	Serum/ Plasma
IFN α Interferon α	ELISA	Serum/ Plasma
IGF1 Total	ELISA	Serum/ Plasma
IGFBP-2	ELISA	Serum/ Plasma

Parameter	Method	Matrix
IGFBP-3	ELISA	Serum/ Plasma
IL-10 HS	ELISA	Serum/ Plasma
IL-1 β	ELISA	Serum/ Plasma
IL-6 HS	ELISA	Serum/ Plasma
C-Peptide (Blood)	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Ferritin	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Interferon gamma	ELISA	Serum
Interleukin 10	ELISA	Serum/ Plasma
Insulinemia	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Blood Iron	Photometric test with FerroZine method	Serum/ Plasma
Lactate deshydrogenase (LDH)	UV Test	Serum/ Plasma
N-terminal propeptide of procollagen type 1 (P1NP)	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
LDL Direct	Enzymatic colorimetry	Serum/ Plasma
LDLc	Calculated (Friedewald's method)	Serum/ Plasma
Leptin	ELISA	Serum/ Plasma
Lipoprotein A Lp(A)	Test immunoturbidimetric sur particules de latex	Serum/ Plasma
N-MID Osteocalcine	Immunoassay	Serum/ Plasma
Non-esterified Fatty Acids (NEFA) = Free Fatty Acids	Enzymatic	Serum/ Plasma
Salivary cortisol	Electrochimiluminescence immunoassay «ECLIA»	Saliva
NT-ProBNP	Immunoassay	Serum/ Plasma
P3NP : Amino-terminal pro-peptide of type III procollagen	Radioimmunoassay	Plasma
PCSK9	ELISA	Plasma
Prealbumin Thyroxine Binding Prealbumin Transthyretin	Immunoassay	Serum/ Plasma
Prothrombin Time test	Chronometry	Plasma

Parameter	Method	Matrix
QUANTIFERON - Interferon gamma	ELISA	Plasma
Saliva alpha amylase	Enzymatic	Saliva
sCD163 : Soluble Cluster of Differentiation 163	ELISA	Serum/ Plasma
Sedimentation rate	Sedimentation tube (Westergren's method)	Blood
Serum hyaluronic acid	Chemiluminescence	Plasma
Soluble Human cytokeratin 18 (sCK18)	ELISA	Serum/ Plasma
ST2 : Suppression of Tumorigenicity 2	ELISA	Serum/ Plasma
TIMP-1 : Tissue Inhibitor of Metalloproteinases 1	ELISA	Serum/ Plasma
TNF alpha	ELISA	Serum/ Plasma
TNF alpha - High Sensitive	ELISA	Serum/ Plasma
Total Bilirubin	Colorimetric diazo	Serum/ Plasma
Total Blood Proteins	Colorimetric test	Serum/ Plasma
Total Cholesterol	Enzymatic colorimetry	Serum/ Plasma
Total Cholesterol	Enzymatic colorimetry	Serum/ Plasma
Total ghrelin	ELISA	Plasma
Triglycerides	Enzymatic colorimetry	Serum/ Plasma
Urea	Kinetics test	Serum/ Plasma
Vitamin B9 - Folates	Competition principle with binding protein	Serum/ Plasma
Von Willebrand factor antigen	Turbidimetry	Plasma
Zinc	Atomic Absorption	Serum
Superoxide dismutase (SOD)	Enzymatique	Blood
Total antioxidant status	Enzymatique	Serum/ Plasma
ALT (ou ALAT Alanine Aminotransferase)	IFCC (International Federation of Clinical Chemistry), with pyridoxal phosphate at 37°C	Serum/ Plasma
AST (or ASAT Aspartate Aminotransferase)	IFCC (International Federation of Clinical Chemistry), with pyridoxal phosphate at 37°C	Serum/ Plasma
BNP (brain natriuretic peptide)	Immunoenzymatic test	Plasma

Parameter	Method	Matrix
Bone Alkaline phosphatase (BALP)	Immunoenzymatic test	Serum
Creatinine (blood)	Kinetics colorimetry (Jaffé's method)	Serum/ Plasma
Inorganic phosphate	End-point test	Serum/ Plasma
HDL Cholesterol - National Cholesterol Education Program (NCEP)	Ultracentrifugation - Enzymatic colorimetry	Serum/ Plasma
LDL Cholesterol - National Cholesterol Education Program (NCEP)	Ultracentrifugation - Enzymatic colorimetry	Serum/ Plasma

GRADIENT

Parameter	Method	Matrix
Lipoprotein subfraction HDL	Isolation by ultracentrifugation with density gradient	Plasma
Lipoprotein subfraction IDL	Isolation by ultracentrifugation with density gradient	Plasma
Lipoprotein subfraction LDL	Isolation by ultracentrifugation with density gradient	Plasma
Lipoprotein subfraction VLDL	Isolation by ultracentrifugation with density gradient	Plasma

IMMUNOFIXATION ELECTROPHORESIS

Parameter	Method	Matrix
Monoclonal Protein Studies: IFE (Immunofixation electrophoresis) (IgA)	Turbidity determination	Serum
Monoclonal Protein Studies: IFE (Immunofixation electrophoresis) (IgG)	Turbidity determination	Serum
Monoclonal Protein Studies: IFE (Immunofixation electrophoresis) (IgM)	Turbidity determination	Serum
Monoclonal Protein Studies: IFE (Immunofixation electrophoresis) (qualitative)	Immunofixation	Serum

BLOOD

IONOGRAM

Parameter	Method	Matrix
Chloride (blood)	Potentiometry	Serum/ Plasma
Potassium (blood)	Potentiometry	Serum/ Plasma
Sodium (blood)	Potentiometry	Serum/ Plasma

SHORT CHAIN FATTY ACIDS

Parameter	Method	Matrix
Blood Acetate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Serum/ Plasma
Blood Butyrate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Serum/ Plasma
Blood Isobutyrate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Serum/ Plasma
Blood Propionate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Serum/ Plasma
Blood Valerate (Short Chain Fatty Acids - SCFA)	GC-MS (Gas chromatography-mass spectrometry)	Serum/ Plasma

URINE

Parameter	Method	Matrix
8-OHdG	ELISA	Urina
Urinary Albumin	Immunoturbidimetry	Urina
Urinary D-Lactate	Colorimetry	Urina
Urine Glucose	Enzymatic colorimetry with Hexokinase	Urina
Urinary Isoprostane	ELISA	Urina
Monoclonal Protein Studies: urinary IFE (Immunofixation electrophoresis)	Immunofixation	Urina
Urinary Urea	Kinetics test	Urina
Urinary Calcium	Colorimetry with 5-nitro-5'-methyl-BAPTA reaction	Urina
Urinary cortisol	ELISA	Urina
Urinary Osmolality	Cryoscopy	Urina
Urinary Phosphate	End-point test	Urina
Urinary Uric Acid	Enzymatic colorimetry	Urina
Urinary Creatinine	Kinetics colorimetry (Jaffé's method)	Urina
Total Urinary Proteins	Turbidimetry	Urina

IONOGRAM

Parameter	Method	Matrix
Urinary Chloride	Potentiometry	Urina
Urinary Potassium	Potentiometry	Urina
Urinary Sodium	Potentiometry	Urina

URINE DIPSTICK

Parameter	Method	Matrix
Proteins	Color reaction	Urina
Bilirubin	Color reaction	Urina
Blood / erythrocytes	Color reaction	Urina
Glucose	Color reaction	Urina
Ketone bodies	Color reaction	Urina
Leucocytes	Color reaction	Urina
Nitrite	Color reaction	Urina
pH	Color reaction	Urina
Specific gravity	Color reaction	Urina
Urobilinogen	Color reaction	Urina

OPTIONAL

Parameter	Method	Matrix
Large immature cells (%) (LIC)	Flow cytometry	Blood
Large immature cells (LIC)	Flow cytometry	Blood
Platelet Distribution Width (PDW)	Calculated	Blood
Platelets - Large Cell Count (P-LCC)	Calculated	Blood
Platelets - Large Cell Report (P-LCR)	Calculated	Blood
Red Cell Distribution Width (RDW)	Calculated	Blood
Thrombocrit	Calculated	Blood

STANDARD

Parameter	Method	Matrix
Erythrocytes RBC	Flow cytometry	Blood
Hematocrit	Mathematical integration	Blood
Hemoglobin	Spectrophotometry	Blood
Leukocytes WBC	Flow cytometry	Blood
Lymphocytes (%)	Flow cytometry	Blood
Lymphocytes	Flow cytometry	Blood
Mean corpuscular hemoglobin (MCH)	Calculated	Blood
Mean Corpuscular Hemoglobin Concentration (MCHC)	Calculated	Blood
Mean Corpuscular Volume (MCV)	Calculated	Blood
Mean Platelet Volume (MPV)	Calculated	Blood
Monocytes (%)	Flow cytometry	Blood
Monocytes	Flow cytometry	Blood
Platelets	Impedance variation	Blood
Polynuclear Basophils	Flow cytometry	Blood
Polynuclear Basophils (%)	Flow cytometry	Blood
Polynuclear Eosinophils	Flow cytometry	Blood
Polynuclear Eosinophils (%)	Flow cytometry	Blood
Polynuclear Neutrophils	Flow cytometry	Blood
Polynuclear Neutrophils (%)	Flow cytometry	Blood
Red Cell Distribution Width (RDW)	Calculated	Blood

Parameter	Method	Matrix
IgG antibodies to SARS-CoV-2	ELISA	Serum/ Plasma
Faecal RNA extraction (SARS-CoV-2)	RNA extraction with chemical and mechanical lysis and purification on a silica column	Stools/ Transplants
Naso-pharyngeal RNA extraction (SARS-CoV-2)	RNA extraction with enzymatic and chemical lysis and purification on a silica column	Blood
IgM antibodies to SARS-CoV-2	ELISA	Serum
Naso-pharyngeal SARS-CoV-2	Quantitative reverse transcription PCR	Nasal
Faecal SARS-CoV-2	Quantitative reverse transcription PCR	Stools

Parameter	Method	Matrix
Toxoplasmosis IgG	Chemiluminescence Microparticulate ImmunoAssay «CMIA»	Serum/ Plasma
Toxoplasmosis IgM	Chemiluminescence Microparticulate ImmunoAssay «CMIA»	Serum/ Plasma
Hepatitis B : Anti-HBc antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum
Hepatitis B : Anti-HBc antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Hepatitis B : Anti-HBs antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum
Hepatitis B : Anti-HBs antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Hepatitis B virus surface antigen	Electrochimiluminescence immunoassay «ECLIA»	Serum
Hepatitis B virus surface antigen	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Hepatitis C : Anti-VHC antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum
Hepatitis C : Anti-VHC antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum
HIV : HIV p24 antigen and total anti-HIV (1 and 2) antibodies	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Human Immunodeficiency Virus (HIV)	Electrochimiluminescence immunoassay «ECLIA»	Serum
Human T-lymphotropic virus : Antibody anti HTLV-I/II	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Diphtheria vaccination serology	ELISA	Serum
Poliomyelitis vaccination serology	Seroneutralization	Serum
Tetanus vaccination serology	ELISA	Serum
Circulating Hepatitis C Virus RNA (blood viral load)	Quantitative reverse transcription PCR	Plasma
Circulating Human Immunodeficiency Virus (HIV) RNA (blood viral load)	Quantitative reverse transcription PCR	Plasma
Cytomegalovirus (viral load)	Real time PCR	Blood
Cytomegalovirus : Anti-CMV IgG antibody	Chimiluminescence immunoassay «CLIA»	Serum
Cytomegalovirus : Anti-CMV IgM antibody	Chimiluminescence immunoassay «CLIA»	Serum
Cytomegalovirus : Anti-CMV IgG/IgM antibodies	Immuno-chromatography (manual technique)	Serum
Epstein-Barr Virus (viral load)	Real time PCR	Blood
Epstein-Barr virus : Anti-EBNA IgG antibody (Epstein-Barr nuclear antigen)	Chimiluminescence immunoassay «CLIA»	Serum
Epstein-Barr virus : Anti-VCA IgG antibody (viral capsid antigen)	Chimiluminescence immunoassay «CLIA»	Serum

Parameter	Method	Matrix
Epstein-Barr virus : Anti-VCA IgM antibody (viral capsid antigen)	Chimiluminescence immunoassay «CLIA»	Serum
Hepatitis A : Anti-HAV IgG/IgM antibodies	Immuno-chromatography (manual technique)	Serum
Hepatitis A : Anti-HVA IgM	Chimiluminescence immunoassay «CLIA»	Serum
Hepatitis A : Total anti-HVA antibody	Chimiluminescence immunoassay «CLIA»	Serum
Hepatitis A : Total anti-HVA antibody	Chimiluminescence immunoassay «CLIA»	Serum
Toxoplasma gondii : Anti-Toxoplasma Gondii IgG antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Toxoplasma gondii : Anti-Toxoplasma Gondii IgM antibody	Electrochimiluminescence immunoassay «ECLIA»	Serum/ Plasma
Hepatitis B Virus DNA : Blood Viral load	Real time PCR	Plasma
Hepatitis E : Anti-HVE IgG antibody	Enzyme immunoassay (EIA)	Serum
Hepatitis E : Anti-HVE IgM antibody	Enzyme immunoassay (EIA)	Serum
Human T-lymphotropic virus : Antibody anti HTLV-I/II	Chimiluminescence immunoassay «CLIA»	Serum
Human T-lymphotropic virus : Antibody anti HTLV-I/II	Chimiluminescence immunoassay «CLIA»	Serum/ Plasma
Human T-lymphotropic virus HTLV-I/II : viral load	Quantitative reverse transcription PCR	Plasma
Syphilis : Anti-Treponema Pallidum	Treponemal test : Immunoenzymatic	Serum/ Plasma
Syphilis : Nontreponemal test	Agglutination	Serum
Syphilis : Treponemal test	Chimiluminescence immunoassay «CLIA»	Serum



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