

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
TUMOR MARKERS	(-2) PROSTATE-SPECIFIC ANTIGEN (PSA) AND PHI INDEX	Serum	Immunochemical	Access BECKMAN	Ospedale San Raffaele	no		9	n.a.
ENDOCRINOLOGY	17 ALPHA HYDROXYPROGESTERONE	Serum	Immunoenzymatic	Dsx DYNEX	Ospedale San Raffaele	yes		8	n.a.
ENDOCRINOLOGY	17 BETA ESTRADIOL	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	5-HYDROXYINDOLEACETIC ACID	Acidified Urine 24h	Chromatographic-Colorimetric	HPLC EUREKA	Cerba HealthCare	yes	Refer to Sample collection methods	8	n.a.
AUTOANTIBODIES	AB POD - ANTI MICROSOMAL ANTIBODIES	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		2	n.a.
CLINICAL CHEMISTRY	ACID PHOSPHATASE	Serum	Enzymatic	Cobas ROCHE	Cerba HealthCare	yes		3	n.a.
COAGULATION	ACTIVATED PARTIAL THROMBOPLASTIN TIME	Citrate plasma	Coagulometric	ACL TOP 550 WERFEN	Istituto Europeo di Oncologia	yes		1	1 hour
COAGULATION	ACTIVATED PARTIAL THROMBOPLASTIN TIME - MIXING STUDY	Citrate plasma	Coagulometric	ACL TOP 550 WERFEN	Istituto Europeo di Oncologia	yes		1	n.a.
COAGULATION	ACTIVATED PROTEIN C RESISTANCE	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		7	n.a.
VIROLOGY	ADENOVIRUS DETECTION IN STOOL	Stool	Immunochromatographic	Manual method	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	2	n.a.
AUTOANTIBODIES	ADNA - ANTI NATIVE DNA ANTIBODIES	Serum	Immunofluorescence	Quanta-lyser WERFEN	Ospedale San Raffaele	yes		5	n.a.
ENDOCRINOLOGY	ADRENOCORTICOTROPIC HORMONE (ACTH)	Plasma EDTA	CMIA	Cobas C8000 ROCHE	Ospedale San Raffaele	no		5	n.a.
CLINICAL CHEMISTRY	ALANINE AMINOTRANSFERASE (ALT)	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	ALBUMIN	Serum	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	ALBUMINURIA - 24-HOUR URINE COLLECTION	Urine 24h	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes	Refer to Sample collection methods	4	n.a.
CLINICAL CHEMISTRY	ALBUMINURIA - FIRST MORNING URINE	Urine	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		4	n.a.
CLINICAL CHEMISTRY	ALDOLASE	Serum	ACMIA	Cobas C8000 - C702 ROCHE	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	ALKALINE PHOSPHATASE	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	ALPHA 1-ACID GLYCOPROTEIN	Serum	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	ALPHA 1-ANTITRYPSIN	Serum	Turbidimetric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		4	n.a.
COAGULATION	ALPHA 2-ANTIPLASMIN	Citrate plasma	Chromogenic	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
CLINICAL CHEMISTRY	ALPHA 2-MACROGLOBULIN	Serum	Immunoturbidimetry	Optilite BINDING SITE	Ospedale San Raffaele	yes		8	n.a.
TUMOR MARKERS	ALPHA-FETOPROTEIN	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
AUTOANTIBODIES	AMA - ANTI MITOCHONDRIAL ANTIBODIES	Serum	Chemiluminescence	Bio-flash WERFEN	Ospedale San Raffaele	yes		7	n.a.

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TOXICOLOGY	AMIKACIN ASSAY	Serum	KIMS	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	AMMONIA	EDTA blood	Colorimetric	Dri-Chem NX10N FUJIFILM	Istituto Europeo di Oncologia	no		1	1 hour
AUTOANTIBODIES	ANA - ANTI NUCLEAR ANTIBODIES	Serum	Indirect Immunofluorescence	Quanta-lyser WERFEN	Ospedale San Raffaele	yes		5	n.a.
ENDOCRINOLOGY	ANDROSTENEDIOL GLUCURONIDE	Serum	ELISA	ThunderBolt TECAN	Cerba HealthCare	yes		10	n.a.
HEMATOLOGY	ANTI A ANTIBODIES	Serum + Plasma EDTA	Agglutination	Manual method	Ospedale Maggiore Policlinico di Milano	yes		5	n.a.
AUTOANTIBODIES	ANTI ACETYLCHOLINE RECEPTOR ANTIBODIES	Serum	RIA	Manual method	Ospedale San Raffaele	yes		20	n.a.
AUTOANTIBODIES	ANTI ADRENAL ANTIBODIES (NNA)	Serum	Immunofluorescence	Manual EUROIMMUN	Cerba HealthCare	yes		4	n.a.
HEMATOLOGY	ANTI B ANTIBODIES	Serum + Plasma EDTA	Agglutination	Manual method	Ospedale Maggiore Policlinico di Milano	yes		5	n.a.
SEROLOGY	ANTI BARTONELLA HANSELAE IGM ANTIBODIES	Serum	Immunofluorescence	Manual DALTEC	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI BARTONELLA HENSELAE IGG ANTIBODIES	Serum	Immunofluorescence	Manual DALTEC	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI BORDETELLA PERTUSSIS IGG ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		8	n.a.
SEROLOGY	ANTI BORDETELLA PERTUSSIS IGM ANTIBODIES	Serum	ELISA	Sunrise TECAN	Ospedale San Raffaele	yes		8	n.a.
SEROLOGY	ANTI BORRELIA BURGDORFERI IGG ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		7	n.a.
SEROLOGY	ANTI BORRELIA BURGDORFERI IGM ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		7	n.a.
SEROLOGY	ANTI CANDIDA ALBICANS IGG ANTIBODIES	Serum	Immunofluorescence	Manual DALTEC	Cerba HealthCare	yes		7	n.a.
AUTOANTIBODIES	ANTI CARDIOLIPIN IGG ANTIBODIES	Serum	Chemiluminescence	Bio-flash WERFEN	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI CARDIOLIPIN IGM ANTIBODIES	Serum	Chemiluminescence	Bio-flash WERFEN	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI CENTROMERE ANTIBODIES	Serum	Indirect Immunofluorescence	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI CHLAMYDIA PNEUMONIAE IGG ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		8	n.a.
SEROLOGY	ANTI CHLAMYDIA PNEUMONIAE IGM ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		8	n.a.
SEROLOGY	ANTI CHLAMYDIA TRACHOMATIS IGA ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI CHLAMYDIA TRACHOMATIS IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI CHLAMYDIA TRACHOMATIS IGM ANTIBODIES	Serum	Immunofluorescence	Manual DALTEC	Cerba HealthCare	yes		5	n.a.
AUTOANTIBODIES	ANTI CITRULLINATED PEPTIDE ANTIBODIES (CCP)	Serum	Chemiluminescence	Bio-flash WERFEN	Ospedale San Raffaele	yes		5	n.a.

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SEROLOGY	ANTI CLOSTRIDIUM TETANI IGG ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI COXIELLA BURNETI IGM ANTIBODIES	Serum	Immunofluorescence	Thunderbolt ALIFAX	Ospedale San Raffaele	yes		7	n.a.
SEROLOGY	ANTI COXSACKIE VIRUS IGG ANTIBODIES	Serum	EIA	Eti-max DIASORIN	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI COXSACKIE VIRUS IGM ANTIBODIES	Serum	EIA	Eti-max DIASORIN	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI CYTOMEGALOVIRUS - IGG AVIDITY TEST	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI CYTOMEGALOVIRUS IGG ANTIBODIES	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI CYTOMEGALOVIRUS IGM ANTIBODIES	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI CYTOPLASMIC ANTIBODIES	Serum	Indirect Immunofluorescence	Quanta-lyser WERFEN	Ospedale San Raffaele	yes		6	n.a.
AUTOANTIBODIES	ANTI DEAMIDATED GLIADIN IGA ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI DEAMIDATED GLIADIN IGG ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI DELTA ANTIBODIES	Serum	Immunoenzymatic	Manual method	Ospedale San Raffaele	yes		8	n.a.
SEROLOGY	ANTI ECHINOCOCCUS IGG+IGM ANTIBODIES (HYDATID DISEASE)	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI ENDOMYSIUM ANTIBODIES	Serum	Indirect Immunofluorescence	Manual method	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI ENDOTHELIAL ANTIBODIES	Serum	Immunofluorescence	Quantalink WERFEN	Cerba HealthCare	yes		7	n.a.
SEROLOGY	ANTI ENTAMOEBIA HISTOLYTICA ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI EPSTEIN BARR EARLY ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		4	n.a.
SEROLOGY	ANTI EPSTEIN BARR EBNA ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		4	n.a.
SEROLOGY	ANTI EPSTEIN BARR VCA IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		4	n.a.
SEROLOGY	ANTI EPSTEIN BARR VCA IGM ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		4	n.a.
AUTOANTIBODIES	ANTI GANGLIOSIDE GM1 IGG ANTIBODIES	Serum	ELISA	Sunrise TECAN	Ospedale San Raffaele	yes		16	n.a.
AUTOANTIBODIES	ANTI GANGLIOSIDE GM1-IGM ANTIBODIES	Serum	ELISA	Sunrise TECAN	Ospedale San Raffaele	yes		16	n.a.
AUTOANTIBODIES	ANTI GANGLIOSIDE GQ1B IGG ANTIBODIES	Serum	ELISA	Sunrise TECAN	Ospedale San Raffaele	yes		16	n.a.
AUTOANTIBODIES	ANTI GANGLIOSIDE GQ1B-IGM ANTIBODIES	Serum	ELISA	Sunrise TECAN	Ospedale San Raffaele	yes		16	n.a.
AUTOANTIBODIES	ANTI GASTRIC PARIETAL CELL ANTIBODIES	Serum	Indirect Immunofluorescence	Manual method	Ospedale San Raffaele	yes		6	n.a.

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AUTOANTIBODIES	ANTI GLUTAMIC DECARBOXYLASE ANTIBODIES	Serum	ELISA	Manual method	Ospedale San Raffaele	yes		13	n.a.
SEROLOGY	ANTI HELICOBACTER PYLORI IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		8	n.a.
SEROLOGY	ANTI HERPES SIMPLEX 1+2 IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI HERPES SIMPLEX 1+2 IGM ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI HERPES SIMPLEX 2 IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI HERPES SIMPLEX 2 IGM ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Cerba HealthCare	yes		5	n.a.
SEROLOGY	ANTI HERPES VARICELLA ZOSTER IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI HERPES VARICELLA ZOSTER IGM ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI HLA CLASS 1 ANTIBODIES	Serum	Immunological	LUMINEX	Ospedale Niguarda	no		20	n.a.
AUTOANTIBODIES	ANTI HLA CLASS 1 SCREENING ANTIBODIES	Serum	Flow cytometry	Unspecified	Ospedale Niguarda	no		20	n.a.
AUTOANTIBODIES	ANTI HLA CLASS 2 ANTIBODIES	Serum	Immunological	LUMINEX	Ospedale Niguarda	no		20	n.a.
AUTOANTIBODIES	ANTI HLA CLASS 2 SCREENING ANTIBODIES	Serum	Flow cytometry	Unspecified	Ospedale Niguarda	no		20	n.a.
SEROLOGY	ANTI HTLV 1/2 ANTIBODIES	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
AUTOANTIBODIES	ANTI INSULIN ANTIBODIES	Serum	Radio Binding Assay	Manual method	Ospedale San Raffaele	yes		11	n.a.
AUTOANTIBODIES	ANTI JO 1 ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI LA (SS-B) ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI LEGIONELLA PNEUMOPHYLA IGG + IGM ANTIBODIES	Serum	Chemiluminescence	Thunderbolt ALIFAX	Ospedale San Raffaele	yes		7	n.a.
SEROLOGY	ANTI LEGIONELLA PNEUMOPHYLA IGM ANTIBODIES	Serum	Chemiluminescence	Thunderbolt ALIFAX	Ospedale San Raffaele	yes		6	n.a.
SEROLOGY	ANTI LEPTOSPIRA ANTIBODIES	Serum	Complement Fixation	Chorus DIESSE	Cerba HealthCare	yes		6	n.a.
SEROLOGY	ANTI LEPTOSPIRA IGM ANTIBODIES	Serum	Complement Fixation	Chorus DIESSE	Cerba HealthCare	yes		6	n.a.
AUTOANTIBODIES	ANTI LIVER MICROSOMAL (LKM) ANTIBODIES	Serum	CLIA	Bio-flash WERFEN	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI MAG ANTIBODIES	Serum	ELISA	Manual method	Ospedale San Raffaele	yes		16	n.a.
SEROLOGY	ANTI MEASLES VIRUS IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI MEASLES VIRUS IGM ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		5	n.a.

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SEROLOGY	ANTI MUMPS IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI MUMPS IGM ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI MUSK ANTIBODIES	Serum	CBA cell based assay	Manual method	Ospedale San Raffaele	yes		15	n.a.
SEROLOGY	ANTI MYCOPLASMA PNEUMONIAE IGG ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		6	n.a.
SEROLOGY	ANTI MYCOPLASMA PNEUMONIAE IGM ANTIBODIES	Serum	ELISA	Eti-max DIASORIN	Ospedale San Raffaele	yes		6	n.a.
AUTOANTIBODIES	ANTI MYELOPEROXIDASE ANTIBODIES	Serum	Chemiluminescence	Bio-flash WERFEN	Ospedale San Raffaele	yes		6	n.a.
AUTOANTIBODIES	ANTI OVARIES ANTIBODIES	Serum	Indirect Immunofluorescence	Manual method	Ospedale San Raffaele	yes		11	n.a.
AUTOANTIBODIES	ANTI PANCREATIC INSULAR ANTIBODIES	Serum	Indirect Immunofluorescence	Manual method	Ospedale San Raffaele	yes		8	n.a.
SEROLOGY	ANTI PARVOVIRUS B19 IGG ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		7	n.a.
SEROLOGY	ANTI PARVOVIRUS B19 IGM ANTIBODIES	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		7	n.a.
AUTOANTIBODIES	ANTI PLATELET ANTIBODIES	Serum + Plasma EDTA	ELISA	Neoiris IMMUCOR - Pak-LX IMMUCOR	Ospedale Maggiore Policlinico di Milano	no		7	n.a.
AUTOANTIBODIES	ANTI PROTEINASE 3 ANTIBODIES	Serum	Chemiluminescence	Bio-flash WERFEN	Ospedale San Raffaele	yes		6	n.a.
SEROLOGY	ANTI RESPIRATORY SYNCYTIAL VIRUS IGA ANTIBODIES	Serum	ELISA	Chorus DIESSE	Cerba HealthCare	yes		4	n.a.
SEROLOGY	ANTI RESPIRATORY SYNCYTIAL VIRUS IGG ANTIBODIES	Serum	ELISA	Chorus DIESSE	Cerba HealthCare	yes		4	n.a.
AUTOANTIBODIES	ANTI RIBOSOMAL ANTIBODIES	Serum	Indirect Immunofluorescence	Manual method	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI RNP ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI RO (SS-A) ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI RUBELLA IGG ANTIBODIES FOR IMMUNE STATUS SCREENING	Serum	ELFA	Liaison XL DIASORIN	Centro Cardiologico Monzino	yes		5	n.a.
SEROLOGY	ANTI RUBELLA IGG E IGM ANTIBODIES PREGNANCY OR INFECTION	Serum	ELFA	Liaison XL DIASORIN	Centro Cardiologico Monzino	yes		5	n.a.
SEROLOGY	ANTI SACCHAROMYCES CEREVISIAE IGA ANTIBODIES	Serum	ELISA	Quanta-lyser WERFEN	Ospedale San Raffaele	yes		11	n.a.
SEROLOGY	ANTI SACCHAROMYCES CEREVISIAE IGG ANTIBODIES	Serum	ELISA	Quanta-lyser WERFEN	Ospedale San Raffaele	yes		11	n.a.
SEROLOGY	ANTI SARS-COV-2 IGG ANTIBODIES	Serum	Chemiluminescence	Maglumi SNIBE	Cerba HealthCare	yes		3	n.a.
SEROLOGY	ANTI SARS-COV-2 IGM ANTIBODIES	Serum	Chemiluminescence	Maglumi SNIBE	Cerba HealthCare	yes		3	n.a.
AUTOANTIBODIES	ANTI SCL70 ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.

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AUTOANTIBODIES	ANTI SM ANTIBODIES	Serum	Chemiluminescence	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI SMOOTH MUSCLE ANTIBODIES	Serum	Indirect Immunofluorescence	Manual method	Ospedale San Raffaele	yes		6	n.a.
AUTOANTIBODIES	ANTI THYROGLOBULIN ANTIBODIES	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		2	n.a.
AUTOANTIBODIES	ANTI THYROID STIMULATING HORMONE RECEPTOR ANTIBODIES	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
AUTOANTIBODIES	ANTI TITIN ANTIBODIES	Serum	ELISA	Manual method	Istituto Neurologico Besta	yes		30	n.a.
SEROLOGY	ANTI TOXOPLASMA GONDII IGG - AVIDITY TEST	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI TOXOPLASMA GONDII IGG ANTIBODIES	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI TOXOPLASMA GONDII IGM ANTIBODIES	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI TOXOPLASMA IGG+IGM+IGG AVIDITY ANTIBODIES	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI TRANSGLUTAMINASE IGA ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI TRANSGLUTAMINASE IGG ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
AUTOANTIBODIES	ANTI TRANSGLUTAMINASE REFLEX ANTIBODIES	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		6	n.a.
SEROLOGY	ANTI TREPONEMA PALLIDUM ANTIBODIES (SYPHILIS SEROLOGY)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
COAGULATION	ANTICOAGULANT PROTEIN C - FUNCTIONAL	Citrate plasma	Chromogenic	COBAS t 611	Ospedale San Raffaele	yes		6	n.a.
ENDOCRINOLOGY	ANTIDIURETIC HORMONE	Plasma EDTA	RIA	Manual RIA	Cerba HealthCare	no	Patient fasting, no smoking, no consumption of tea or coffee in the 5 hours prior to the sample collection.	16	n.a.
ENDOCRINOLOGY	ANTI-MULLERIAN HORMONE	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
SEROLOGY	ANTI-STAPHYLOLYSIN O TITER	Serum	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
SEROLOGY	ANTI-STREPTOLYSIN O TITER	Serum	Agglutination	Manual method	Ospedale San Raffaele	yes		7	n.a.
COAGULATION	ANTITHROMBIN III	Citrate plasma	Chromogenic	ACL TOP 550 WERFEN	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	APOLIPOPROTEIN A1	Serum	Turbidimetric	Optilite BINDING SITE	Ospedale San Raffaele	yes		6	n.a.
CLINICAL CHEMISTRY	APOLIPOPROTEIN B	Serum	Turbidimetric	Optilite BINDING SITE	Ospedale San Raffaele	yes		6	n.a.
CLINICAL CHEMISTRY	ARTERIAL BLOOD GAS ANALYSIS	Heparinized blood, balanced with calcium	Gas Analysis	Gem5000 IL	Istituto Europeo di Oncologia	no		1	1 hour
MICROBIOLOGY	ARTERIAL CATHETER CULTURE	Catheter tip	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	ASCITIC FLUID CULTURE	Ascitic fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
CLINICAL CHEMISTRY	ASPARTATE AMINOTRANSFERASE (AST)	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
MICROBIOLOGY	ASPERGILLUS DETECTION (PCR)	Plasma	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		2	n.a.
SEROLOGY	ASPERGILLUS GALACTOMANNAN ANTIGEN	Serum	ELISA	Manual method	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	BENCE JONES PROTEINURIA	Urine 24h	Immunofixation	Hydrasys SEBIA	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	6	n.a.
TOXICOLOGY	BENZODIAZEPINES ASSAY	Serum	HPLC	HPLC EUREKA	Cerba HealthCare	yes		7	n.a.
SEROLOGY	BETA GLUCAN DETERMINATION	Serum	Immunofluorescence	CLONIT	Istituto Europeo di Oncologia	no		3	n.a.
TUMOR MARKERS	BETA HCG	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	BICARBONATES	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
MICROBIOLOGY	BIOLOGICAL MATERIAL CULTURE	Clinical specimen	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	BIOPSY CULTURE	Biopsy	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
VIROLOGY	BK VIRUS DNA DETECTION	Plasma, urine	PCR Real Time	Manual method	Ospedale Maggiore Policlinico di Milano	yes		10	n.a.
CLINICAL CHEMISTRY	BLOOD GLUCOSE	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
IMMUNOHEMATOLOGY	BLOOD GROUP AND RH FACTOR	Plasma EDTA	Microcolumn Agglutination	Vision ORTHO	Istituto Europeo di Oncologia	yes		1	n.a.
MICROBIOLOGY	BLOOD SERUM COLLECTION CULTURE	Blood serum collection	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	BODY FLUID CULTURE	Body fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
CLINICAL CHEMISTRY	BODY FLUIDS: CHEMICAL-PHYSICAL EXAMINATION	Body fluid	Chemical-Physical	Alinity ABBOTT	Istituto Europeo di Oncologia	no		1	n.a.
CLINICAL CHEMISTRY	BONE ALKALINE PHOSPHATASE ISOENZYME	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		6	n.a.
MICROBIOLOGY	BRONCHOALVEOLAR LAVAGE CULTURE	Bronchoalveolar lavage	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	BRONCHOASPIRATE CULTURE	Bronchoaspirate	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
CLINICAL CHEMISTRY	B-TYPE NATRIURETIC PEPTIDE (BNP)	Plasma EDTA	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	C1 INHIBITOR	Serum	Turbidimetric	Optilite BINDING SITE	Ospedale San Raffaele	yes		6	n.a.
CLINICAL CHEMISTRY	C1Q - COMPLEMENT FRACTION	Serum	Turbidimetric	Optilite BINDING SITE	Ospedale San Raffaele	yes		6	n.a.
CLINICAL CHEMISTRY	C3 - COMPLEMENT FRACTION	Serum	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	C4 - COMPLEMENT FRACTION	Serum	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
TUMOR MARKERS	CA 125	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
TUMOR MARKERS	CA 15.3	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
TUMOR MARKERS	CA 19.9	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
TUMOR MARKERS	CA 50	Serum	RIA	Gamma counter MDA	Ospedale San Raffaele	yes		21	n.a.
TUMOR MARKERS	CA 72.4	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		6	n.a.
TUMOR MARKERS	CALCITONIN	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
MICROBIOLOGY	CAMPYLOBACTER CULTURE	Stool	Cultural	Manual method	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	CANDIDA DETECTION IN TONGUE ORAL CAVITY SWAB	Tongue oral cavity swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
TOXICOLOGY	CARBAMAZEPINE ASSAY	Serum	Immunometric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
MICROBIOLOGY	CATHETER URINE CULTURE	Catheter urine	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		3	n.a.
TUMOR MARKERS	CEA (CARCINOEMBRYONIC ANTIGEN)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
MICROBIOLOGY	CENTRAL CATHETER BLOOD CULTURE	Catheter tip	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	CENTRAL VENOUS CATHETER CULTURE	Catheter tip	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	CEREBROSPINAL FLUID CULTURE	Cerebrospinal fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
CLINICAL CHEMISTRY	CEREBROSPINAL FLUID: CELL COUNT	Cerebrospinal fluid	Microscopic	Manual method	Istituto Europeo di Oncologia	no		1	n.a.
CLINICAL CHEMISTRY	CEREBROSPINAL FLUID: CHEMICAL-PHYSICAL EXAMINATION	Cerebrospinal fluid	Chemical-Physical	Alinity ABBOTT	Istituto Europeo di Oncologia	no		1	1 hour
CLINICAL CHEMISTRY	CERULOPLASMIN	Serum	Turbidimetric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		4	n.a.
CLINICAL CHEMISTRY	CH50 - COMPLEMENT HEMOLYTIC ACTIVITY	Serum	Turbidimetric	Optilite BINDING SITE	Ospedale San Raffaele	yes		6	n.a.
VIROLOGY	CHIKUNGUNYA VIRUS PCR DETECTION	EDTA blood	PCR Real Time	Manual method	Ospedale Sacco	yes		7	n.a.
MICROBIOLOGY	CHLAMYDIA PNEUMONIAE DNA DETECTION	Sputum, Bronchoalveolar lavage (BAL)	PCR Real Time	Taqman 7900 THERMOFISHER	Ospedale San Raffaele	no		4	n.a.
MICROBIOLOGY	CHLAMYDIA TRACHOMATIS DETECTION PCR	Endocervical swab, urethral fluid, seminal fluid	PCR Real Time	Genexpert CEPHEID	Istituto Europeo di Oncologia	yes		3	n.a.
CLINICAL CHEMISTRY	CHROMIUM	Heparin blood	Atomic Absorption	ICP AGILENT	Ospedale San Raffaele	yes		13	n.a.
TUMOR MARKERS	CHROMOGRANIN A	Plasma EDTA	ELISA	Dsx DYNEX	Ospedale San Raffaele	yes		8	n.a.
CLINICAL CHEMISTRY	CHYMOTRYPSIN	Stool	Enzymatic	Manual LTA	Cerba HealthCare	yes	Refer to Sample collection methods	5	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
CLINICAL CHEMISTRY	CITRIC ACID	Acidified Urine 24h	Enzymatic	Manual LTA	Cerba HealthCare	yes	Refer to Sample collection methods	8	n.a.
CLINICAL CHEMISTRY	CK (Creatine Kinase)	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	CK-MB (Creatine Kinase-MB)	Serum	CMIA	Atellica SIEMENS	Centro Cardiologico Monzino	yes		2	n.a.
ENDOCRINOLOGY	CLINO ALDOSTERONE	Plasma EDTA	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes	Refer to Sample collection methods	8	n.a.
ENDOCRINOLOGY	CLINO RENIN	Plasma EDTA	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes	Refer to Sample collection methods	7	n.a.
MICROBIOLOGY	CLOSTRIDIODES DIFFICILE TOXIGENIC DETECTION	Stool	Immunochromatographic	Manual method	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	2	n.a.
MICROBIOLOGY	COLONIZATION CULTURE	Clinical specimen	Cultural	Manual method	Istituto Europeo di Oncologia	yes		5	n.a.
HEMATOLOGY	COMPLETE BLOOD COUNT + WHITE BLOOD CELL DIFFERENTIAL ANALYSIS	EDTA blood	Electronic counter	XN3100 SYSMEX	Istituto Europeo di Oncologia	yes		1	1.5 hours
CLINICAL CHEMISTRY	COMPLETE URINALYSIS	Urine	Dry chemistry and Microscopic	Clinitek Advantus SIEMENS + Microscope	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
SEROLOGY	COVID-19: SARS COV-2 ANTIGEN DETECTION (IMMUNOFLUORESCENCE TEST)	Nasopharyngeal swab	Immunofluorescence	F2400 SD BIOSENSOR	Istituto Europeo di Oncologia	yes		1	1 hour
VIROLOGY	COVID-19: SARS COV-2 DETECTION (PCR)	Nasopharyngeal swab	PCR Real Time	Standard M10 SD BIOSENSOR	Istituto Europeo di Oncologia	yes		2	1 hour
CLINICAL CHEMISTRY	C-REACTIVE PROTEIN	Serum	Immunoturbidimetry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	CREATINE KINASE ISOENZYMES	Serum	Electrophoresis	Hydrasys SEBIA	Ospedale San Raffaele	yes		7	n.a.
CLINICAL CHEMISTRY	CREATININE CLEARANCE	Urine 24h + Siero	Jaffé	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	1 hour
CLINICAL CHEMISTRY	CRYOGLOBULIN TYPING	Serum	Immunofixation	Hydrasys SEBIA	Ospedale San Raffaele	no		11	n.a.
CLINICAL CHEMISTRY	CRYOGLOBULINS	Serum	Cold Precipitation	Manual method	Ospedale San Raffaele	no		9	n.a.
SEROLOGY	CRYPTOCOCCUS ANTIGEN IN SERUM	Serum	Immunoenzymatic	Manual method	Ospedale Niguarda	yes		4	n.a.
MICROBIOLOGY	CRYPTOSPORIDIUM FECAL ANTIGEN	Stool	Immunochromatographic	Manual method	Cerba HealthCare	yes	Refer to Sample collection methods	9	n.a.
TOXICOLOGY	CYCLOSPORINE ASSAY	EDTA blood	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
TUMOR MARKERS	CYFRA 21.1	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		6	n.a.
MICROBIOLOGY	CYST FLUID CULTURE	Cyst fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
CLINICAL CHEMISTRY	CYSTATIN C	Siero	Turbidimetric	Optilite BINDING SITE	Ospedale San Raffaele	yes		11	n.a.
VIROLOGY	CYTOMEGALOVIRUS DNA DETECTION	EDTA blood	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		3	n.a.
COAGULATION	D-DIMER	Citrate plasma	Immunoturbidimetry	ACL TOP 550 WERFEN	Istituto Europeo di Oncologia	yes		1	1 hour

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
ENDOCRINOLOGY	DEHYDROEPIANDROSTERONE (DHEA)	Serum	ELISA	Dsx DYNEX	Ospedale San Raffaele	yes		16	n.a.
ENDOCRINOLOGY	DEHYDROEPIANDROSTERONE SULFATE (DHEA-S)	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
ENDOCRINOLOGY	DELTA-4-ANDROSTENEDIONE	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		5	n.a.
TOXICOLOGY	DELTA-AMINOLEVULINIC ACID	Urine	Chromatographic-Colorimetric	VWR Spectrophotometer	Cerba HealthCare	yes	Collect the first morning urine. The quantity should not be less than 10 ml.	8	n.a.
CLINICAL CHEMISTRY	DEOXYPIRIDINOLINE	Urine 24h	HPLC	HPLC EUREKA	Cerba HealthCare	yes	Refer to Sample collection methods	11	n.a.
TOXICOLOGY	DESIALYLATED TRANSFERRIN	Serum	HPLC	HPLC	Ospedale San Raffaele	yes		5	n.a.
TOXICOLOGY	DIGOXIN ASSAY	Serum	Immunometric	Atellica SIEMENS	Centro Cardiologico Monzino	yes		2	n.a.
ENDOCRINOLOGY	DIHYDROTESTOSTERONE	Serum	ELISA	Dsx DYNEX	Ospedale San Raffaele	yes		16	n.a.
CLINICAL CHEMISTRY	DIRECT BILIRUBIN	Serum	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
HEMATOLOGY	DIRECT COOMBS TEST	Plasma EDTA	Microcolumn Agglutination	Vision ORTHO	Istituto Europeo di Oncologia	yes		1	n.a.
ENDOCRINOLOGY	DOPAMINE	Plasma EDTA	HPLC	HPLC	Ospedale San Raffaele	no		21	n.a.
CLINICAL CHEMISTRY	DRAINAGE AMYLASE	Drainage	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
MICROBIOLOGY	DRAINAGE FLUID CULTURE	Drainage fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	EAR SWAB	Ear swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
AUTOANTIBODIES	ENA - ANTI EXTRACTABLE NUCLEAR ANTIGENS ANTIBODIES (SCREENING)	Serum	PMAT	Aptiva INOVA DIAGNOSTICS	Ospedale San Raffaele	yes		5	n.a.
VIROLOGY	ENTEROVIRUS D68 DETECTION (PCR)	Nasopharyngeal swab	PCR	Manual method	Ospedale Maggiore Policlinico di Milano	no		7	n.a.
VIROLOGY	EPSTEIN-BARR VIRUS DNA DETECTION	EDTA blood	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		5	n.a.
TOXICOLOGY	ERYTHROCYTE ALA DEHYDRATASE	EDTA blood	Chromatographic-Colorimetric	VWR Spectrophotometer	Cerba HealthCare	yes		10	n.a.
HEMATOLOGY	ERYTHROCYTE OSMOTIC FRAGILITY	EDTA blood	Hypotonic Shock	Manual method	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	ERYTHROCYTE PYRUVATE KINASE	EDTA blood	UV Test Enzymatic	Pentra 400 HORIBA	Ospedale San Raffaele	yes		6	n.a.
HEMATOLOGY	ERYTHROCYTE SEDIMENTATION RATE (ESR)	EDTA blood	Automatic Reading	Vesmatic cube DIESSE	Istituto Europeo di Oncologia	yes		1	n.a.
ENDOCRINOLOGY	ERYTHROPOIETIN	Serum	Chemiluminescence	Immulite 2000 SIEMENS	Ospedale San Raffaele	yes		6	n.a.
ENDOCRINOLOGY	ESTRONE	Serum	ELISA	Dsx DYNEX	Ospedale San Raffaele	yes		11	n.a.
TOXICOLOGY	ETHOSUXIMIDE ASSAY	Heparin plasma	LC/MS/MS	LC/MS/MS	Ospedale San Raffaele	yes		8	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
TOXICOLOGY	ETHYL ALCOHOL IN BLOOD	Serum	Enzymatic	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
TOXICOLOGY	ETHYL ALCOHOL IN URINE	Urine	Gas Chromatography	FAR Gas Chromatograph	Cerba HealthCare	yes	Refer to Sample collection methods	6	n.a.
MICROBIOLOGY	EXIT SITE SWAB	Exit site swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		4	n.a.
MICROBIOLOGY	EYE SWAB	Eye swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
COAGULATION	FACTOR II	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR IX	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR V	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR VII	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR VIII	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR X	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR XI	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR XII	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		12	n.a.
COAGULATION	FACTOR XIII	Citrate plasma	Coagulometric	Manual method	Ospedale San Raffaele	yes		12	n.a.
CLINICAL CHEMISTRY	FECAL CALPROTECTIN	Stool	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes	Refer to Sample collection methods	6	n.a.
CLINICAL CHEMISTRY	FECAL OCCULT BLOOD SEARCH (3 SAMPLES)	Stool	Immunological	F2400 SD BIOSENSOR	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	2	n.a.
CLINICAL CHEMISTRY	FERRITIN	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	FETAL HEMOGLOBIN	EDTA blood	Capillary Electrophoresis	HPLC TOSOH	Ospedale San Raffaele	yes		4	n.a.
COAGULATION	FIBRINOGEN	Citrate plasma	Coagulometric	ACL TOP 550 WERFEN	Istituto Europeo di Oncologia	yes		1	1 hour
MICROBIOLOGY	FIRST VOID URINE CULTURE	First void urine	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		3	n.a.
CLINICAL CHEMISTRY	FOLIC ACID	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		2	n.a.
ENDOCRINOLOGY	FOLLICLE-STIMULATING HORMONE (FSH)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	FRACTIONATED URINARY CATECHOLAMINES	Acidified Urine 24h	HPLC	HPLC EUREKA	Ospedale San Raffaele	yes	Refer to Sample collection methods	8	n.a.
CLINICAL CHEMISTRY	FREE KAPPA LIGHT CHAINS IN SERUM	Serum	Nephelometric	Optilite THERMOFISHER	Cerba HealthCare	yes		7	n.a.
CLINICAL CHEMISTRY	FREE KAPPA LIGHT CHAINS IN URINE	Urine 24h	Nephelometric	Optilite THERMOFISHER	Cerba HealthCare	yes	Refer to Sample collection methods	7	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
CLINICAL CHEMISTRY	FREE LAMBDA LIGHT CHAINS IN SERUM	Serum	Nephelometric	Optilite THERMOFISHER	Cerba HealthCare	yes		7	n.a.
CLINICAL CHEMISTRY	FREE LAMBDA LIGHT CHAINS IN URINE	Urine 24h	Nephelometric	Optilite THERMOFISHER	Cerba HealthCare	yes	Refer to Sample collection methods	7	n.a.
CLINICAL CHEMISTRY	FREE PLASMA HEMOGLOBIN	Plasma EDTA	Derivative Spectrophotometry	Spectrophotometer	Ospedale San Raffaele	no		6	n.a.
COAGULATION	FREE PROTEIN S	Citrate plasma	Turbidimetric	Sta R STAGO	Ospedale San Raffaele	yes		6	n.a.
TUMOR MARKERS	FREE PSA (PROSTATE-SPECIFIC ANTIGEN)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Performed automatically only if total PSA is between 2-10 ng/mL.	1	n.a.
ENDOCRINOLOGY	FREE TESTOSTERONE	Serum	ELISA	Dsx DYNEX	Ospedale San Raffaele	yes		7	n.a.
CLINICAL CHEMISTRY	FRUCTOSAMINE	Serum	Colorimetric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
ENDOCRINOLOGY	FT3 (FREE TRIIODOTHYRONINE)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
ENDOCRINOLOGY	FT4 (FREE THYROXINE)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
SEROLOGY	FTA (FLUORESCENT TREPONEMAL ANTIBODY ABSORPTION TEST)	Serum	Immunofluorescence	Manual method	Ospedale San Raffaele	yes		5	n.a.
MICROBIOLOGY	FUNGAL CULTURE	Clinical specimen	Cultural	Manual Biomerieux	Istituto Europeo di Oncologia	yes		5	n.a.
CLINICAL CHEMISTRY	GAMMA GLUTAMYL TRANSFERASE (GGT)	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
ENDOCRINOLOGY	GASTRIN	Serum	Chemiluminescence	Immulite 2000 SIEMENS	Ospedale San Raffaele	yes		5	n.a.
TOXICOLOGY	GENTAMICIN ASSAY	Serum	KIMS	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
MICROBIOLOGY	GIARDIA - FECAL ANTIGEN	Stool	Immunochromatographic	Manual CLONIT	Cerba HealthCare	yes	Refer to Sample collection methods	2	n.a.
CLINICAL CHEMISTRY	GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PDH)	EDTA blood	Photometric	Cobas c702 ROCHE	Ospedale San Raffaele	yes		6	n.a.
CLINICAL CHEMISTRY	GLYCOSYLATED HEMOGLOBIN (HbA1c)	EDTA blood	HPLC	G8 TOSOH	Centro Cardiologico Monzino	yes		3	n.a.
VIROLOGY	H1N1 GENOME DETECTION	Nasopharyngeal swab	PCR	Manual method	Ospedale Maggiore Policlinico di Milano	no		2	n.a.
CLINICAL CHEMISTRY	HAPTOGLOBIN	Serum	Turbidimetric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		4	n.a.
SEROLOGY	HAV IgG	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
SEROLOGY	HAV IgM	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
SEROLOGY	HCBAB (HEPATITIS B CORE ANTIBODY)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
SEROLOGY	HCBAB IGM	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
SEROLOGY	HBEAB (HEPATITIS B E ANTIBODY)	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
SEROLOGY	HBEAG (HEPATITIS B E ANTIGEN)	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
SEROLOGY	HBSAB (HEPATITIS B SURFACE ANTIBODY)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
SEROLOGY	HBSAG (HEPATITIS B SURFACE ANTIGEN)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
VIROLOGY	HBV DNA - QUALITATIVE ANALYSIS	Plasma EDTA	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		5	n.a.
VIROLOGY	HBV DNA - QUANTITATIVE ANALYSIS	Plasma EDTA	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		5	n.a.
SEROLOGY	HCV (HEPATITIS C VIRUS)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
SEROLOGY	HCV RIBA (HCV RECOMBINANT IMMUNOBLOT ASSAY)	Serum	Immunoblotting	Inno-lia HCV score FUJIREBIO	Ospedale San Raffaele	yes		5	n.a.
VIROLOGY	HCV RNA - QUALITATIVE ANALYSIS	Plasma EDTA	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		5	n.a.
VIROLOGY	HCV RNA - QUANTITATIVE ANALYSIS	Plasma EDTA	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		5	n.a.
CLINICAL CHEMISTRY	HDL CHOLESTEROL	Serum	Enzymatic-Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
MICROBIOLOGY	HELICOBACTER PYLORI - FECAL ANTIGEN	Stool	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes	Refer to Sample collection methods	5	n.a.
MICROBIOLOGY	HELICOBACTER PYLORI CULTURE	Biopsy	Cultural	Manual method	Ospedale San Raffaele	no		12	n.a.
CLINICAL CHEMISTRY	HEMOGLOBIN ELECTROPHORESIS	EDTA blood	HPLC	HPLC TOSOH	Ospedale San Raffaele	yes		4	n.a.
COAGULATION	HEPARIN (BY ACTIVATED FACTOR X)	Citrate plasma	Chromogenic	Cobas T711 Roche	Ospedale San Raffaele	no		22	n.a.
VIROLOGY	HEPATITIS E VIRUS (PCR)	Plasma EDTA	PCR Real Time	Ingenius ELITECH	Ospedale San Raffaele	yes		11	n.a.
VIROLOGY	HERPES SIMPLEX 1 DNA DETECTION	EDTA blood	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		15	n.a.
VIROLOGY	HERPES SIMPLEX 2 DNA DETECTION	EDTA blood	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		15	n.a.
VIROLOGY	HERPES VARICELLA ZOSTER DNA DETECTION	EDTA blood	PCR Real Time	Ingenius ELITECH	Ospedale Maggiore Policlinico di Milano	yes		15	n.a.
CLINICAL CHEMISTRY	HIGH SENSITIVITY TROPONIN I	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
SEROLOGY	HIV	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
VIROLOGY	HIV PCR - QUALITATIVE ANALYSIS	Plasma EDTA	PCR Real Time	Genexpert CEPHEID	Istituto Europeo di Oncologia	yes		5	n.a.
SEROLOGY	HIV WESTERN BLOT	Serum	Immunoblotting	Auto-lia FUJIREBIO	Ospedale San Raffaele	yes		5	n.a.
IMMUNOHEMATOLOGY	HLA TYPING	EDTA blood	PCR	Manual method	Ospedale San Raffaele	no		30	n.a.
COAGULATION	HOMOCYSTEINE	Plasma EDTA	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	no		2	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
VIROLOGY	HTLV I DNA DETECTION	EDTA blood	PCR	PCR CLONIT	Cerba HealthCare	yes		12	n.a.
VIROLOGY	HTLV II DNA DETECTION	EDTA blood	PCR	PCR CLONIT	Cerba HealthCare	yes		12	n.a.
TUMOR MARKERS	HUMAN EPIDIDYMIS PROTEIN 4	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		2	n.a.
VIROLOGY	HUMAN HERPESVIRUS 6 DNA DETECTION (HHV-6)	EDTA blood	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		3	n.a.
VIROLOGY	HUMAN HERPESVIRUS 8 DNA DETECTION (HHV-8)	EDTA blood	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		3	n.a.
CLINICAL CHEMISTRY	IgA (Immunoglobulin A)	Serum	Immunoturbidimetry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	IgG (Immunoglobulin G)	Serum	Immunoturbidimetry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	IgM (Immunoglobulin M)	Serum	Immunoturbidimetry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
HEMATOLOGY	INDIRECT COOMBS TEST	Plasma EDTA	Microcolumn Agglutination	Vision ORTHO	Istituto Europeo di Oncologia	yes		1	n.a.
ENDOCRINOLOGY	INHIBIN B	Serum	ELISA	Dsx DYNEX	Ospedale San Raffaele	yes		11	n.a.
ENDOCRINOLOGY	INSULIN	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
ENDOCRINOLOGY	INSULIN-LIKE GROWTH FACTOR (IGF-1)	Serum	Chemiluminescence	Immulite 2000 SIEMENS	Ospedale San Raffaele	yes		5	n.a.
CLINICAL CHEMISTRY	INTERLEUKIN 2R	Serum	ELISA	Dsx DYNEX	Ospedale San Raffaele	yes		15	n.a.
CLINICAL CHEMISTRY	INTERLEUKIN 6	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	IONIZED CALCIUM	Heparinized blood, balanced with calcium	Gas Analysis	Gem5000 IL	Istituto Europeo di Oncologia	no		1	1 hour
CLINICAL CHEMISTRY	IRON	Serum	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
VIROLOGY	JC VIRUS DNA DETECTION	EDTA blood	PCR	Manual method	Ospedale Maggiore Policlinico di Milano	yes		10	n.a.
CLINICAL CHEMISTRY	KAPPA LIGHT CHAINS IN SERUM	Serum	Immunoturbidimetry	Cobas ROCHE	Cerba HealthCare	yes		7	n.a.
CLINICAL CHEMISTRY	KAPPA LIGHT CHAINS IN URINE	Urine 24h	Immunoturbidimetry	Cobas ROCHE	Cerba HealthCare	yes	Refer to Sample collection methods	7	n.a.
CLINICAL CHEMISTRY	LACTATE DEHYDROGENASE	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	LAMBDA LIGHT CHAINS IN SERUM	Serum	Immunoturbidimetry	Cobas ROCHE	Cerba HealthCare	yes		7	n.a.
CLINICAL CHEMISTRY	LAMBDA LIGHT CHAINS IN URINE	Urine 24h	Immunoturbidimetry	Cobas ROCHE	Cerba HealthCare	no	Refer to Sample collection methods	7	n.a.
CLINICAL CHEMISTRY	LDH ISOENZYMES	Serum	Electrophoresis	Hydrasys SEBIA	Ospedale San Raffaele	yes		7	n.a.
CLINICAL CHEMISTRY	LDL CHOLESTEROL	Serum	Enzymatic-Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
TOXICOLOGY	LEAD	Heparin blood	ICP/MS	ICP AGILENT	Ospedale San Raffaele	yes		13	n.a.
MICROBIOLOGY	LEGIONELLA CULTURE	Respiratory sample	Cultural	Manual method	Ospedale San Raffaele	no		17	n.a.
SEROLOGY	LEGIONELLA URINARY ANTIGEN	Urine	Immunocromatography	Manual method	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	2	n.a.
CLINICAL CHEMISTRY	LIPASE	Serum	Enzymatic-Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	LIPOPROTEIN (A)	Serum	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	LIPOPROTEIN ELECTROPHORESIS	Serum	Electrophoresis	Hydrasys SEBIA	Ospedale San Raffaele	yes		6	n.a.
TOXICOLOGY	LITHIUM ASSAY	Serum	Colorimetric	Cobas c702 ROCHE	Ospedale San Raffaele	yes		2	n.a.
COAGULATION	LUPUS-LIKE ANTICOAGULANT	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		4	n.a.
ENDOCRINOLOGY	LUTEINIZING HORMONE (LH)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
MICROBIOLOGY	MALARIA PARASITE	EDTA blood	Microscopic	Manual method	Ospedale San Raffaele	yes		2	n.a.
TOXICOLOGY	METHOTREXATE ASSAY	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	MICROALBUMINURIA - 24-HOUR URINE COLLECTION	Urine 24h	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes	Refer to Sample collection methods	4	n.a.
CLINICAL CHEMISTRY	MICROALBUMINURIA - EARLY MORNING URINE	Urine	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes	Refer to Sample collection methods	4	n.a.
MICROBIOLOGY	MIDSTREAM URINE CULTURE	Midstream urine	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	3	n.a.
MICROBIOLOGY	MRSA SCREENING BY PCR	Nasopharyngeal swab	PCR Real Time	Genexpert CEPHEID	Istituto Europeo di Oncologia	no		3	n.a.
VIROLOGY	MULTIPLEX PCR FOR RESPIRATORY VIRUSES AND M. PNEUMONIAE	Biological specimen	PCR Real Time	Ingenius ELITECH	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	MYCOBACTERIUM TUBERCULOSIS COMPLEX DNA DETECTION	Clinical specimen	PCR	Manual method	Ospedale Niguarda	yes		9	n.a.
MICROBIOLOGY	MYCOPLASMA PNEUMONIAE DNA DETECTION	Bronchoalveolar lavage	PCR	Taqman 7900 THERMOFISHER	Ospedale San Raffaele	no		10	n.a.
MICROBIOLOGY	MYCOPLASMA/UREAPLASMA DETECTION IN ENDOCERVICAL SWAB	Endocervical swab	Cultural	Manual method	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	5	n.a.
MICROBIOLOGY	MYCOPLASMA/UREAPLASMA DETECTION IN SEMINAL FLUID	Seminal fluid	Cultural	Manual method	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	MYCOPLASMA/UREAPLASMA DETECTION IN URETRAL FLUID	Uretral fluid	Cultural	Manual method	Istituto Europeo di Oncologia	no		5	n.a.
CLINICAL CHEMISTRY	MYOGLOBIN	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
MICROBIOLOGY	NASAL SWAB	Nasal swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	NEFROSTOMY URINE CULTURE	Nefrostomy urine	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
MICROBIOLOGY	NEISSERIA GONORRHOEA DETECTION IN ENDOCERVICAL SWAB	Endocervical swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	NEISSERIA GONORRHOEA DETECTION IN SEMINAL FLUID	Seminal fluid	Cultural	Manual method	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	NEISSERIA GONORRHOEA DETECTION IN URETRAL FLUID	Uretral fluid	Cultural	Manual method	Istituto Europeo di Oncologia	no		5	n.a.
TOXICOLOGY	NICKEL	Heparin blood	ICP/MS	ICP AGILENT	Ospedale San Raffaele	yes		13	n.a.
TUMOR MARKERS	NSE (NEURON-SPECIFIC ENOLASE)	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		5	n.a.
CLINICAL CHEMISTRY	NT-PROBNP (N-TERMINAL PRO B-TYPE NATRIURETIC PEPTIDE)	Heparin plasma	Chemiluminescence	Atellica SIEMENS	Centro Cardiologico Monzino	yes		2	n.a.
CLINICAL CHEMISTRY	ORAL GLUCOSE LOAD INSULIN TEST	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	no	Refer to Sample collection methods	3	n.a.
CLINICAL CHEMISTRY	ORAL GLUCOSE TOLERANCE TEST (3/6 SAMPLINGS)	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	no	Refer to Sample collection methods	1	n.a.
ENDOCRINOLOGY	ORTHO ALDOSTERONE	Plasma EDTA	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes	Refer to Sample collection methods	8	n.a.
ENDOCRINOLOGY	ORTHO RENIN	Plasma EDTA	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes	Refer to Sample collection methods	7	n.a.
CLINICAL CHEMISTRY	OSTEOCALCIN	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	OXALATES	Acidified Urine 24h	Enzymatic-Colorimetric	Manual LTA	Cerba HealthCare	yes	Refer to Sample collection methods	7	n.a.
CLINICAL CHEMISTRY	PANCREATIC AMYLASE	Serum	Immuno Inhibition	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	PANCREATIC ELASTASE 1	Stool	CLIA	Liaison XL DIASORIN	Ospedale San Raffaele	yes	Refer to Sample collection methods	6	n.a.
VIROLOGY	PAPILLOMA VIRUS DETECTION (HPV DNA - ONCLARITY SYSTEM)	Cervical brush	PCR (Viper-BD)	Viper LT BD	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	15	n.a.
ENDOCRINOLOGY	PARATHYROID HORMONE (INTACT PTH 1-84)	Plasma EDTA	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
MICROBIOLOGY	PERIPHERAL VENOUS BLOOD CULTURE	Peripheral venous blood	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		10	n.a.
MICROBIOLOGY	PERIPROSTHETIC FLUID CULTURE	Periprosthetic fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	PERITONEAL FLUID CULTURE	Peritoneal fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
MICROBIOLOGY	PHARYNGEAL SWAB	Pharyngeal swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	3	n.a.
TOXICOLOGY	PHENOBARBITAL ASSAY	Serum	KIMS	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
TOXICOLOGY	PHENYTOIN ASSAY	Serum	KIMS	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	PLASMA CATECHOLAMINES	Plasma EDTA	HPLC	HPLC EUREKA	Ospedale San Raffaele	no		11	n.a.
CLINICAL CHEMISTRY	PLASMA CORTISOL	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		4	n.a.

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CLINICAL CHEMISTRY	PLASMA CREATININE	Serum	Jaffè	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	PLASMA OSMOLALITY	Serum	Calculation	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
COAGULATION	PLASMINOGEN	Citrate plasma	Chromogenic	Sta R STAGO	Ospedale San Raffaele	yes		7	n.a.
HEMATOLOGY	PLATELET COUNT (CITRATE)	EDTA blood, Citrate plasma	Resistive andoptical in fluorescence	XN3100 SYSMEX	Istituto Europeo di Oncologia	yes		1	1.5 hours
MICROBIOLOGY	PLEURAL FLUID CULTURE	Pleural fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	PNEUMOCYSTIS CARINII DETECTION IN BAL	Bronchoalveolar lavage	Direct Immunofluorescence	Manual method	Ospedale San Raffaele	no		3	n.a.
TOXICOLOGY	POSACONAZOLE ASSAY	Heparin plasma	LC MS/MS	LC MS/MS	o	yes		4	n.a.
CLINICAL CHEMISTRY	POSTPRANDIAL GLUCOSE	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	no	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	PREALBUMIN	Serum	Turbidimetric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		4	n.a.
CLINICAL CHEMISTRY	PREGNANCY IMMUNOLOGICAL TEST	Urine	Immunochromatographic	Manual method	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
MICROBIOLOGY	PREPUTIAL GROOVE SWAB	Preputial groove swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no	For outpatients, it is performed by appointment.	5	n.a.
TOXICOLOGY	PRIMIDONE	Heparin plasma	LC/MS/MS	LC/MS/MS	Ospedale San Raffaele	yes		8	n.a.
CLINICAL CHEMISTRY	PROCALCITONIN	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
ENDOCRINOLOGY	PROGESTERONE	Serum	Chemiluminescence	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
ENDOCRINOLOGY	PROLACTIN	Serum	Chemiluminescence	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	PROSTATIC ACID PHOSPHATASE	Serum	Colorimetric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
MICROBIOLOGY	PROSTATIC SECRETION CULTURE	Prostatic secretion	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
COAGULATION	PROTHROMBIN ACTIVITY	Citrate plasma	Coagulometric	ACL TOP 550 WERFEN	Istituto Europeo di Oncologia	yes		1	1 hour
COAGULATION	PROTHROMBIN ACTIVITY - MIXING TEST	Citrate plasma	Coagulometric	ACL TOP 550 WERFEN	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	PSEUDOCHOLINESTERASE	Serum	Enzymatic Butyrylthiocholine	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
MICROBIOLOGY	PUS CULTURE	Pus	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
CLINICAL CHEMISTRY	PYRIDINOLINE	Urine 24h	HPLC	HPLC EUREKA	Cerba HealthCare	yes	Refer to Sample collection methods	11	n.a.
ALLERGOLOGY	QUALITATIVE MULTI-ALLERGEN SCREENING RAST	Serum	Chemiluminescence	Immulite SIEMENS	Cerba HealthCare	yes		5	n.a.
MICROBIOLOGY	QUANTIFERON-TB GOLD (TB SPECIFIC ANTIGEN)	Plasma	Chemiluminescence	Liaison XL DIASORIN	Centro Cardiologico Monzino	no	For outpatients, it is performed by appointment.	5	n.a.

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SEROLOGY	QUANTITATIVE TPHA	Serum	Hemagglutination	Gralis 2000 BOUTY	Ospedale San Raffaele	yes		3	n.a.
SEROLOGY	QUANTITATIVE VDRL	Serum	Agglutination	Gralis 2000 BOUTY	Ospedale San Raffaele	yes		3	n.a.
ALLERGOLOGY	RAST (1 ALLERGEN)	Serum	Chemiluminescence	Immulite SIEMENS	Cerba HealthCare	yes		8	n.a.
ALLERGOLOGY	RAST 12 FOOD ALLERGENS	Serum	Chemiluminescenza	Immulite SIEMENS	Cerba HealthCare	yes		8	n.a.
ALLERGOLOGY	RAST 12 FOOD AND INHALANT ALLERGENS	Serum	Chemiluminescenza	Immulite SIEMENS	Cerba HealthCare	yes		8	n.a.
ALLERGOLOGY	RAST 12 INHALANT ALLERGENS	Serum	Chemiluminescenza	Immulite SIEMENS	Cerba HealthCare	yes		8	n.a.
ALLERGOLOGY	RAST 8 FOOD ALLERGENS	Serum	Chemiluminescenza	Immulite SIEMENS	Cerba HealthCare	yes		8	n.a.
ALLERGOLOGY	RAST 8 INHALANT ALLERGENS	Serum	Chemiluminescenza	Immulite SIEMENS	Cerba HealthCare	yes		8	n.a.
MICROBIOLOGY	RECTAL SWAB	Rectal swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
ENDOCRINOLOGY	REFLEX THYROTROPIN HORMONE	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
HEMATOLOGY	RETICULOCYTES	EDTA blood	Fluorescence	XN3100 SYSMEX	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	RHEUMATOID ARTHRITIS TEST (RA TEST)	Serum	Immunoturbidimetry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
VIROLOGY	ROTAVIRUS DETECTION IN STOOL	Stool	Immunochromatographic	Manual method	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	2	n.a.
TUMOR MARKERS	S100 PROTEIN	Serum	CLIA	Liaison XL DIASORIN	Ospedale San Raffaele	yes		8	n.a.
TOXICOLOGY	SALICYLATE ASSAY	Serum	Immunoetric	Unspecified	Ospedale Niguarda	yes		3	n.a.
VIROLOGY	SEASONAL RESPIRATORY VIRUS DETECTION (PCR)	Nasopharyngeal swab	PCR Real Time	Standard M10 SD BIOSENSOR	Istituto Europeo di Oncologia	yes		1	1 hour
TOXICOLOGY	SELENIUM	Serum	ICP/MS	ICP AGILENT	Ospedale San Raffaele	yes		13	n.a.
MICROBIOLOGY	SEMINAL FLUID CULTURE	Seminal fluid	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no	Refer to Sample collection methods	5	n.a.
ENDOCRINOLOGY	SEROTONIN	Acidified Urine 24h	HPLC	HPLC EUREKA	Cerba HealthCare	yes	Refer to Sample collection methods	17	n.a.
TOXICOLOGY	SERUM ALUMINUM	Serum	ICP	ICP AGILENT	Ospedale San Raffaele	yes		13	n.a.
CLINICAL CHEMISTRY	SERUM AMYLASE	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	SERUM BETA 2 MICROGLOBULIN	Serum	Immunoturbidimetry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	SERUM CALCIUM	Serum	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	SERUM CHLORIDE	Serum	Indirect Potentiometry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
TOXICOLOGY	SERUM COPPER	Serum	ICP	ICP AGILENT	Ospedale San Raffaele	yes		8	n.a.
ENDOCRINOLOGY	SERUM C-PEPTIDE	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	SERUM IMMUNOFIXATION	Serum	Agarose Gel	Hydrasys SEBIA	Istituto Europeo di Oncologia	yes		6	n.a.
CLINICAL CHEMISTRY	SERUM MAGNESIUM	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	SERUM PHOSPHORUS	Serum	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	SERUM POTASSIUM	Serum	Indirect Potentiometry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	SERUM PROTEIN ELECTROPHORESIS	Serum	Electrophoresis	Hydrasys SEBIA	Istituto Europeo di Oncologia	yes		2	n.a.
CLINICAL CHEMISTRY	SERUM SODIUM	Serum	Indirect Potentiometry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	SERUM UREA	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	SERUM URIC ACID	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
TOXICOLOGY	SERUM ZINC	Serum	ICP	ICP AGILENT	Ospedale San Raffaele	yes		8	n.a.
ENDOCRINOLOGY	SEX HORMONE BINDING GLOBULIN	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		6	n.a.
TOXICOLOGY	SIALIC ACID	Serum	HPLC	HPLC LTA	Cerba HealthCare	no		16	n.a.
TOXICOLOGY	SIROLIMUS ASSAY	Blood EDTA	LC MS/MS	LC MS/MS	Policlinico San Matteo - Pavia	yes		3	n.a.
MICROBIOLOGY	SKIN SWAB	Skin swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		3	n.a.
ENDOCRINOLOGY	SOMATOTROPIN HORMONE	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
MICROBIOLOGY	SPUTUM CULTURE	Sputum	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	5	n.a.
MICROBIOLOGY	STOOL CULTURE	Stool	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	5	n.a.
MICROBIOLOGY	STOOL: PARASITE SEARCH	Stool	Microscopic	Manual method	Ospedale San Raffaele	yes	Refer to Sample collection methods	11	n.a.
CLINICAL CHEMISTRY	STOOLS : MICROSCOPIC EXAMINATION	Stool	Microscopic	Manual method	Ospedale San Raffaele	yes	Refer to Sample collection methods	2	n.a.
CLINICAL CHEMISTRY	STOOLS: CHEMICAL-PHYSICAL AND MICROSCOPIC TEST	Stool	Microscopic	Manual method	Ospedale San Raffaele	yes	Refer to Sample collection methods	2	n.a.
MICROBIOLOGY	STREPTOCOCCUS AGALACTIAE	Vaginal/rectal swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes		5	n.a.
MICROBIOLOGY	STREPTOCOCCUS PNEUMONIAE - URINARY ANTIGEN	Urine	Immuno-chromatographic	Manual MERIDIAN	Cerba HealthCare	yes	Refer to Sample collection methods	3	n.a.
SEROLOGY	STREPTOZYME TEST	Serum	Agglutination	Manual method	Ospedale San Raffaele	yes		8	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
HEMATOLOGY	SUBPOPULATION CELL ANALYSIS	EDTA blood	Flow Citometry	DxFlex	Istituto Europeo di Oncologia	no	For outpatients, it can only be performed on peripheral blood	10	n.a.
TUMOR MARKERS	TA4 ANTIGEN (SCC)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		2	n.a.
TOXICOLOGY	TACROLIMUS ASSAY	EDTA blood	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	TELOPEPTIDE - CTX	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
TOXICOLOGY	THEOPHYLLINE ASSAY	Serum	Immunoetric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
COAGULATION	THROMBIN TIME	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		3	1 hour
ENDOCRINOLOGY	THYROGLOBULIN	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		2	n.a.
ENDOCRINOLOGY	THYROTROPIN HORMONE	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
ENDOCRINOLOGY	THYROXINE (T4)	Serum	Chemiluminescence	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
ENDOCRINOLOGY	THYROXINE BINDING GLOBULIN	Serum	Chemiluminescence	Immolute 2000 SIEMENS	Ospedale San Raffaele	yes		21	n.a.
TUMOR MARKERS	TISSUE POLYPEPTIDE ANTIGEN	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		7	n.a.
SEROLOGY	TOTAL ANTI COXIELLA BURNETI ANTIBODIES	Serum	Immunofluorescence	Manual method	Ospedale San Raffaele	yes		7	n.a.
CLINICAL CHEMISTRY	TOTAL BILE ACIDS	Serum	Spectrophotometry	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	TOTAL BILIRUBIN	Serum	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
CLINICAL CHEMISTRY	TOTAL CHOLESTEROL	Serum	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	TOTAL IgE	Serum	FEIA	Unicap 1000 THERMOFISHER	Ospedale San Raffaele	yes		4	n.a.
COAGULATION	TOTAL PROTEIN S	Citrate plasma	Coagulometric	Sta R STAGO	Ospedale San Raffaele	yes		5	n.a.
COAGULATION	TOTAL PROTEIN S ANTIGEN	Citrate plasma	ELISA	BIOTEK ELISA Reader	Ospedale San Raffaele	yes		21	n.a.
TUMOR MARKERS	TOTAL PSA (PROSTATE-SPECIFIC ANTIGEN)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
CLINICAL CHEMISTRY	TOTAL SERUM PROTEINS	Serum	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	1 hour
ENDOCRINOLOGY	TOTAL TESTOSTERONE	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	TOTAL URINARY PORPHYRINS	Urine 24h	Colorimetric	Spectrophotometer	Ospedale San Raffaele	yes	Refer to Sample collection methods	16	n.a.
MICROBIOLOGY	TRACHEOSTOMY MATERIAL CULTURE	Tracheostomy material	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	no		5	n.a.
CLINICAL CHEMISTRY	TRANSFERRIN	Serum	Immunoturbidimetry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
SEROLOGY	TREPONEMA PALLIDUM HEMAGGLUTINATION ASSAY (TPHA)	Serum	Hemagglutination	Gralis 2000 BOUTY	Ospedale San Raffaele	yes		3	n.a.
MICROBIOLOGY	TRICHOMONAS VAGINALIS DETECTION	Clinical specimen	Immunochromatographic	Manual method	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	3	n.a.
CLINICAL CHEMISTRY	TRIGLYCERIDES	Serum	Enzymatic-Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
ENDOCRINOLOGY	TRIIODOTHYRONINE (T3)	Serum	Immunochromatographic	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
ALLERGOLOGY	TRYPTASE	Serum	FEIA	Unicap 1000 THERMOFISHER	Ospedale San Raffaele	yes	Collect the sample no later than 3 hours from the likely activation of mast cells.	4	n.a.
ENDOCRINOLOGY	UNCONJUGATED ESTRIOL	Serum	Chemiluminescence	Immulite 2000 SIEMENS	Ospedale San Raffaele	yes		7	n.a.
CLINICAL CHEMISTRY	UREA CLEARANCE	Urine 24h + Siero	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	1 hour
MICROBIOLOGY	URETHRAL SWAB	Uretral swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	5	n.a.
CLINICAL CHEMISTRY	URINALYSIS-PHYSICAL CHEMISTRY	Urine	Dry chemistry	Clinitek Advantus SIEMENS	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
TOXICOLOGY	URINARY ALUMINUM	Urine	ICP	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
CLINICAL CHEMISTRY	URINARY AMYLASE	Urine	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY BETA 2 MICROGLOBULIN	Urine 24h	Turbidimetric	Cobas c700 ROCHE	Ospedale San Raffaele	yes	Refer to Sample collection methods	4	n.a.
TOXICOLOGY	URINARY CADMIUM	Urine	ICP/MS	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
CLINICAL CHEMISTRY	URINARY CALCIUM	Urine 24h	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY CHLORIDE	Urine 24h	Indirect Potentiometry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
TOXICOLOGY	URINARY COPPER	Urine 24h	ICP	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
TOXICOLOGY	URINARY COPROPORPHYRINS BEGINNING/END OF SHIFT	Urine	Colorimetric	FAR Spectrophotometer	Ospedale San Raffaele	yes	Keep the container protected from light by covering it with aluminum foil	16	n.a.
TOXICOLOGY	URINARY COPROPORPHYRINS IN 24 HOURS URINE	Urine 24h	Colorimetric	FAR Spectrophotometer	Ospedale San Raffaele	yes	Refer to Sample collection methods	16	n.a.
CLINICAL CHEMISTRY	URINARY CORTISOL	Urine 24h	Mass Spectrometry	LC-MS	Ospedale San Raffaele	yes	Refer to Sample collection methods	11	n.a.
CLINICAL CHEMISTRY	URINARY CREATININE	Urine 24h	Jaffè	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
ENDOCRINOLOGY	URINARY DOPAMINE 24-HOUR COLLECTION	Acidified Urine 24h	HPLC	HPLC EUREKA	Cerba HealthCare	yes	Refer to Sample collection methods	8	n.a.
CLINICAL CHEMISTRY	URINARY GLUCOSE	Urine 24h	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY IMMUNOFIXATION	Urine 24h	Agarose Gel	Hydrasys SEBIA	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	6	n.a.
CLINICAL CHEMISTRY	URINARY IRON	Urine 24h	ICP	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
TOXICOLOGY	URINARY LEAD	Urine	ICP/MS	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
CLINICAL CHEMISTRY	URINARY MAGNESIUM	Urine 24h	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY MANGANESE	Urine	ICP	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
CLINICAL CHEMISTRY	URINARY MERCURY	Urine	Atomic Absorption	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
TOXICOLOGY	URINARY NICKEL	Urine	ICP/MS	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
CLINICAL CHEMISTRY	URINARY OSMOLALITY	Urine 24h	Calculation	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY PHOSPHORUS	Urine 24h	Colorimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY PORPHOBILINOGEN	Urine 24h	Chromatographic-Colorimetric	FAR Spectrophotometer	Cerba HealthCare	yes	Refer to Sample collection methods	7	n.a.
CLINICAL CHEMISTRY	URINARY POTASSIUM	Urine 24h	Indirect Potentiometry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY PROTEIN ELECTROPHORESIS	Urine 24h	Electrophoresis	Hydrasys SEBIA	Ospedale San Raffaele	yes	Refer to Sample collection methods	5	n.a.
CLINICAL CHEMISTRY	URINARY PROTEINS	Urine 24h	Turbidimetric	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY SODIUM	Urine 24h	Indirect Potentiometry	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
CLINICAL CHEMISTRY	URINARY STONE (CHEMICAL-PHYSICAL EXAMINATION)	Stone	Chemical-Physical	FT-IR BRUCKER	Ospedale San Raffaele	yes		7	n.a.
TOXICOLOGY	URINARY TOTAL PHENOLS	Urine	HPLC	HPLC	Ospedale San Raffaele	yes	Refer to Sample collection methods	16	n.a.
CLINICAL CHEMISTRY	URINARY UREA	Urine 24h	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	1 hour
CLINICAL CHEMISTRY	URINARY URIC ACID	Urine 24h	Enzymatic	Alinity ABBOTT	Istituto Europeo di Oncologia	yes	Refer to Sample collection methods	1	n.a.
TOXICOLOGY	URINARY ZINC	Urine 24h	ICP	ICP AGILENT	Ospedale San Raffaele	yes	Refer to Sample collection methods	13	n.a.
MICROBIOLOGY	URINE MYCOBACTERIA DETECTION	Urine	Cultural	Manual method	Ospedale Niguarda	yes		5	n.a.
CLINICAL CHEMISTRY	URINE PROTEIN CREATININE RATIO (UPC)	Urine 24h	Calculation	Alinity ABBOTT	Istituto Europeo di Oncologia	NA	Refer to Sample collection methods	1	n.a.
MICROBIOLOGY	VAGINAL SWAB	Vaginal swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	5	n.a.
MICROBIOLOGY	VAGINAL SWAB - YEASTS E TRICHOMONAS DETECTION	Vaginal swab	Cultural, Immunocromatographic	Manual method	Istituto Europeo di Oncologia	yes		5	n.a.
TOXICOLOGY	VALPROIC ACID (DEPAKIN) ASSAY	Serum	Immunometric	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		3	n.a.
TOXICOLOGY	VANCOMYCIN ASSAY	Serum	EMIT	Atellica SIEMENS	Centro Cardiologico Monzino	yes		2	n.a.
CLINICAL CHEMISTRY	VANILLYLMADELIC ACID	Acidified Urine 24h	Chromatographic-Colorimetric	HPLC EUREKA	Cerba HealthCare	yes	Refer to Sample collection methods	8	n.a.

ANALYTICAL SECTOR	ANALYSIS	SAMPLE	ANALYTICAL METHOD2	INSTRUMENTATION	LABORATORY TEST CENTRE	SAMPLING AT SAN LUCA	NOTE FOR PATIENTS	RESPONSE TIME (DAYS)	RESPONSE TIME (URGENT)
SEROLOGY	VDRL (VENEREAL DISEASE RESEARCH LABORATORY)	Serum	Agglutination	Gralis 2000 BOUTY	Ospedale San Raffaele	yes		3	n.a.
CLINICAL CHEMISTRY	VENOUS BLOOD GAS ANALYSIS	Heparinized blood, balanced with calcium	Gas Analysis	Gem5000 IL	Istituto Europeo di Oncologia	no		1	1 hour
CLINICAL CHEMISTRY	VITAMIN A	Serum	HPLC	HPLC	Ospedale San Raffaele	no		13	n.a.
CLINICAL CHEMISTRY	VITAMIN B12	Serum	ECLIA	Cobas C8000 ROCHE	Ospedale San Raffaele	yes		2	n.a.
CLINICAL CHEMISTRY	VITAMIN B6	Plasma EDTA	HPLC	TQXS WATERS	Ospedale San Raffaele	yes		6	n.a.
CLINICAL CHEMISTRY	VITAMIN D (1,25-DIHYDROXYVITAMIN D)	Serum	Chemiluminescence	Liaison XL DIASORIN	Ospedale San Raffaele	yes		6	n.a.
CLINICAL CHEMISTRY	VITAMIN D3 (25-HYDROXYVITAMIN D)	Serum	CMIA	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		2	n.a.
CLINICAL CHEMISTRY	VITAMIN E	Serum	HPLC	HPLC	Ospedale San Raffaele	no		13	n.a.
CLINICAL CHEMISTRY	VLDL CHOLESTEROL	Serum	Calculation	Alinity ABBOTT	Istituto Europeo di Oncologia	yes		1	n.a.
COAGULATION	VON WILLEBRAND FACTOR ANTIGEN	Citrate plasma	Turbidimetric	Cobas T711 Roche	Ospedale San Raffaele	yes		6	n.a.
TOXICOLOGY	VORICONAZOLE ASSAY	Heparin plasma	LC MS/MS	LC MS/MS	Policlinico San Matteo - Pavia	yes		4	n.a.
MICROBIOLOGY	VULVAR SWAB	Vulvar swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	5	n.a.
SEROLOGY	WAALER-ROSE TEST	Serum	Agglutination	Manual method	Ospedale San Raffaele	yes		4	n.a.
SEROLOGY	WEIL-FELIX REACTION	Serum	Agglutination	Manual LTA	Cerba HealthCare	yes		4	n.a.
SEROLOGY	WIDAL TEST	Serum	Agglutination	Autodat DIESSE	Ospedale San Raffaele	yes		3	n.a.
MICROBIOLOGY	WOUND SWAB	Wound swab	Cultural	WalkAway Beckman Coulter	Istituto Europeo di Oncologia	yes	For outpatients, it is performed by appointment.	5	n.a.
SEROLOGY	WRIGHT'S TEST	Serum	Agglutination	Autodat DIESSE	Ospedale San Raffaele	yes		3	n.a.
VIROLOGY	ZIKA VIRUS PCR DETECTION	EDTA blood	PCR Real Time	Manual method	Ospedale Sacco	yes		7	n.a.
TOXICOLOGY	ZINCOPROTOPORPHYRIN	EDTA blood	Fluorimetric	Protofluor-Z HELENA	Ospedale San Raffaele	yes		16	n.a.