

ANALYTICAL SECTOR	ANALYSIS	LABORATORY TEST CENTRE	SAMPLE	NOTE FOR PATIENTS	SAMPLE CONDITIONS OF CARRIAGE	RESPONSE TIME (DAYS)	SERVICES AVAILABLE ONLY FOR HOSPITALIZED PATIENTS	ANALYTICAL METHOD	INSTRUMENTATION
ENDOCRINOLOGY	17 BETA ESTRADIOL	Istituto Europeo di Oncologia	Serum		Room Temperature	3		CMA	Alinity
ENDOCRINOLOGY	17-HYDROXYPROGESTERONE	Ospedale San Raffaele	Serum		2 - 8 °C	8		Immuno-cytometric	DSX
SEROLOGY	Hbs ANTIGEN	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
AUTOANTIBODIES	ANTI BETA-2 GLYCOPROTEIN IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Biofish
AUTOANTIBODIES	ANTI BETA-2 GLYCOPROTEIN IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Biofish
SEROLOGY	HBs (AU) ANTIGEN	Centro Cardiologico Monzino	Serum		Room Temperature	1		CLIA	Abelica
SEROLOGY	ANTI ADENOVIRUS ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		EIA	Elmax
SEROLOGY	ANTI BORDETELLA PERTUSSIS IGA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	8		ELISA	E11 Max 3000
SEROLOGY	ANTI BORDETELLA PERTUSSIS IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	8		ELISA	E11 Max 3000
SEROLOGY	ANTI BORDETELLA PERTUSSIS IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	8		ELISA	E11 Max 3000
SEROLOGY	ANTI BORRELLIA BURGDORFERI IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		ELISA	E11 Max 3000
AUTOANTIBODIES	ANTI CARDIOLIPIN IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Biofish
AUTOANTIBODIES	ANTI CARDIOLIPIN IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Biofish
AUTOANTIBODIES	ANTI GASTRIC PARIETAL CELL ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Manual processing method
AUTOANTIBODIES	ANTI CENTROMERE ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTMA
AUTOANTIBODIES	ANTI H4 ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	11		Indirect Immunofluorescence	Manual processing method
AUTOANTIBODIES	ANTI R4 ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	11		Indirect Immunofluorescence	Manual processing method
AUTOANTIBODIES	ANTI Y6 ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	11		Indirect Immunofluorescence	Manual processing method
SEROLOGY	ANTI BORRELLIA BURGDORFERI IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		ELISA	Biofish
SEROLOGY	ANTI BORRELLIA IGG ANTIBODIES - CONFIRMATION TEST	Ospedale San Raffaele	Serum		Room Temperature	11		Western-blot-immunoblotting	Fujitebio
SEROLOGY	ANTI BORRELLIA IGM ANTIBODIES - CONFIRMATION TEST	Ospedale San Raffaele	Serum		Room Temperature	11		Western-blot-immunoblotting	Fujitebio
SEROLOGY	ANTI BRUCELLA IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Thunderbolt
SEROLOGY	ANTI BRUCELLA IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Thunderbolt
SEROLOGY	ANTI CHLAMYDIA TRACHOMATIS IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		ELISA	E11 Max 3000
SEROLOGY	ANTI CHLAMYDIA PNEUMONAE IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	8		ELISA	E11 Max 3000
SEROLOGY	ANTI CHLAMYDIA PNEUMONAE IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	8		ELISA	E11 Max 3000
SEROLOGY	ANTI COXIELLA BURNETI IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Thunderbolt
AUTOANTIBODIES	ANTI DS DNA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Quanta Lysar
SEROLOGY	ANTI COXSACKIE VIRUS IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		EIA	E11 Max 3000
SEROLOGY	ANTI COXSACKIE VIRUS IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		EIA	E11 Max 3000
AUTOANTIBODIES	ANTI ENDOMYSIUM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Manual processing method
SEROLOGY	ANTI CYTOMEGALOVIRUS - IGG AVIDITY TEST	Ospedale San Raffaele	Serum		Room Temperature	5		ECLIA	COBAS C 8000
SEROLOGY	ANTI CYTOMEGALOVIRUS IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		ECLIA	COBAS C 8000
SEROLOGY	ANTI CYTOMEGALOVIRUS IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		ECLIA	COBAS C 8000
SEROLOGY	ANTI ECHINOCOCCUS IGG+IEM ANTIBODIES (HYDATID DISEASE)	Ospedale San Raffaele	Serum		Room Temperature	5		ELISA	E11 Max 3000
SEROLOGY	ANTI ECHOVIRUS ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		EIA	E11 Max 3000
AUTOANTIBODIES	ANTI GANGLIOSIDE GM1 IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	16		BLDT	Manual processing method
AUTOANTIBODIES	ANTI DEAMIDATED GLIADIN IGA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTMA
AUTOANTIBODIES	ANTI DEAMIDATED GLIADIN IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTMA
AUTOANTIBODIES	ANTI GLUTAMIC DECARBOXYLASE ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	11		ELISA	Manual processing method
AUTOANTIBODIES	ANTI NEUTROPHIL CYTOPLASMIC ANTIBODIES (ANCA)	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Manual processing method
SEROLOGY	ANTI ENTAMOBA HISTOLYTICA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		ELISA	E11 Max 3000
SEROLOGY	ANTI EPSTEIN BARR EARLY ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	4		CLIA	Liason XL
SEROLOGY	ANTI EPSTEIN BARR EBNA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	4		CLIA	Liason XL
SEROLOGY	ANTI EPSTEIN BARR VCA IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	4		CLIA	Liason XL
SEROLOGY	ANTI EPSTEIN BARR VCA IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	4		CLIA	Liason XL
SEROLOGY	ANTI HBsAg ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	3		EIA	Abelica
SEROLOGY	ANTI HBeAg IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
SEROLOGY	ANTI HBe ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
SEROLOGY	ANTI HBsAg ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	1		EIA	Abelica
SEROLOGY	ANTI HDV ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	1		EIA	Abelica
SEROLOGY	ANTI HDV ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	8		EIA	Manual processing method
SEROLOGY	ANTI HELICOBACTER PYLORI IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	8		CLIA	Liason XL
SEROLOGY	ANTI HERPES SIMPLEX 1+2 IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liason XL
VIROLOGY	HV WESTERN BLOT	Ospedale San Raffaele	Serum		Room Temperature	5		Western-blot-immunoblotting	AUTO LIA 48
AUTOANTIBODIES	ANTI IA2 ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	11		ELISA	Manual processing method
AUTOANTIBODIES	ANTI INSULIN ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	11		Radio Binding Assay	Manual processing method
AUTOANTIBODIES	ANTI PANCREATIC INSULAR ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	11		Indirect Immunofluorescence	Manual processing method
AUTOANTIBODIES	ANTI JO 1 ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTMA
SEROLOGY	ANTI HERPES SIMPLEX 1+2 IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liason XL
SEROLOGY	ANTI HERPES VARICELLA ZOSTER IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liason XL
SEROLOGY	ANTI HERPES VARICELLA ZOSTER IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liason XL
AUTOANTIBODIES	ANTI MAG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	16		ELISA	Manual processing method
AUTOANTIBODIES	ANTI LIVER MICROSMAL (LXM) ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Manual processing method
AUTOANTIBODIES	ANTI THYROID MICROSMAL ANTIBODY	Ospedale San Raffaele	Serum		Room Temperature	6		ECLIA	COBAS C 8000
AUTOANTIBODIES	AMA - ANTI MITOCHONDRIAL ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		CLIA	Biofish
SEROLOGY	ANTI H1V ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	1		EIA	Abelica
SEROLOGY	ANTI LEGIONELLA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Thunderbolt
AUTOANTIBODIES	ANTI SMOOTH MUSCLE ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Manual processing method
SEROLOGY	ANTI LEISHMANIA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Thunderbolt
SEROLOGY	ANTI LEPTOSPIRA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		CLIA	Thunderbolt
SEROLOGY	ANTI MEASLES VIRUS IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liason XL
SEROLOGY	ANTI MEASLES VIRUS IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liason XL

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SEROLOGY	ANTI MUMPS IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liaison XL
SEROLOGY	ANTI MUMPS IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		CLIA	Liaison XL
AUTOANTIBODIES	ANTI CITRULLINATED PEPTIDE ANTIBODIES (CCP)	Ospedale San Raffaele	Serum		Room Temperature	9		CLIA	Bioflex
SEROLOGY	ANTI MYCOPLASMA PNEUMONIAE IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		ELISA	ETI Max 3000
SEROLOGY	ANTI MYCOPLASMA PNEUMONIAE IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		ELISA	ETI Max 3000
SEROLOGY	ANTI PARVOVIRUS B19 IGG ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Liaison XL
SEROLOGY	ANTI PARVOVIRUS B19 IGM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Liaison XL
HEMATOLOGY	ANTI PLATELET (IGG) ANTIBODIES, INDIRECT	Ospedale San Raffaele	Serum		2 - 8 °C	16		Solid-phase	Galico Neo
AUTOANTIBODIES	ANTI ACETYLCHOLINE RECEPTOR ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	16		CBA (off base assay)	Manual processing method
AUTOANTIBODIES	ANTI THYROID STIMULATING HORMONE RECEPTOR ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		ECLIA	COBAS C 8000
AUTOANTIBODIES	ARA - ANTI REICULIN IGG ANTIBODY	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Manual processing method
COAGULATION	ANTI FFA ANTIBODIES	Centro Cardiologico Monzino	Plasma		Room Temperature	1	Only for hospitalized patients	Immunoturbidimetry	ACL TOP
SEROLOGY	ANTI RICKETTSIA CONORI ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Thunderbolt
AUTOANTIBODIES	ANTI RNP ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTIVA
SEROLOGY	ANTI RICKETTSIA TYPHI ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	7		CLIA	Thunderbolt
SEROLOGY	ANTI RUBELLA Igg ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	5		CLIA	Liaison XL
SEROLOGY	ANTI RUBELLA Igm ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	5		CLIA	Liaison XL
AUTOANTIBODIES	ANTI SCL-70 ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		ELISA	ETI Max 3000
AUTOANTIBODIES	ANTI SM ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTIVA
AUTOANTIBODIES	ANTI RO (SS-A) ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTIVA
AUTOANTIBODIES	ANTI RO (SS-B) ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTIVA
SEROLOGY	ANTI SCHISTOSOMA ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	10		ELISA	ETI Max 3000
AUTOANTIBODIES	ANTI THYROGLOBULIN ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	4		CLIA	Liaison XL
SEROLOGY	ANTI TETANUS ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	5		ELISA	ETI Max 3000
SEROLOGY	ANTI TOXOPLASMA Igg ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	3		CLIA	Liaison XL
SEROLOGY	ANTI TOXOPLASMA IGG AVIDITY ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	3		CLIA	Liaison XL
AUTOANTIBODIES	ANTI TRANSGLUTAMINASE ANTIBODIES	Ospedale San Raffaele	Serum		Room Temperature	6		PMAT	APTIVA
SEROLOGY	ANTI TOXOPLASMA Igm ANTIBODIES	Centro Cardiologico Monzino	Serum		Room Temperature	3		CLIA	Liaison XL
SEROLOGY	ANTI-STREPTOLYSIN O TITER	Ospedale San Raffaele	Serum		Room Temperature	2		Immunoturbidimetry	COBAS 8000
CLINICAL CHEMISTRY	ACE (ANGIOTENSINE CONVERTING ENZYME)	Ospedale San Raffaele	Serum		Room Temperature	4		Colorimetric	COBAS C 8000
CLINICAL CHEMISTRY	BILE ACIDS	Ospedale San Raffaele	Serum		Room Temperature	8		Spectrophotometry	COBAS C 8000
CLINICAL CHEMISTRY	5-HYDROXYINDOLEACETIC ACID	Ospedale San Raffaele	Acidified Urine 24h	Refer to the operational instructions "Collection of 24h urine with Hydrochloric acid."	Room Temperature	8		HPLC	HPLC
TOXICOLOGY	24H URINARY COPPER	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "Collection of 24h urine with Hydrochloric acid."	Room Temperature	8		ICP	ICP
CLINICAL CHEMISTRY	HOMOVANILIC ACID (HVA)	Ospedale San Raffaele	Acidified Urine 24h	Refer to the operational instructions "Collection of 24h urine with Hydrochloric acid."	Room Temperature	9		HPLC	HPLC
CLINICAL CHEMISTRY	OXALIC ACID	Ospedale San Raffaele	Serum		Room Temperature	7		HPLC	HPLC
TOXICOLOGY	PHENYLGLYOXYLIC ACID	Ospedale San Raffaele	Urine		Room Temperature	9		HPLC	HPLC
CLINICAL CHEMISTRY	VANILLYLAMANDLIC ACID (VMA)	Ospedale San Raffaele	Acidified Urine 24h	Refer to the operational instructions "Collection of 24h urine with Hydrochloric acid."	Room Temperature	9		HPLC	Chromat
VIROLOGY	ADENOVIRUS DNA DETECTION	Ospedale San Raffaele	Plasma		2 - 8 °C	11		real-time PCR	Flow-INGENIUS
ENDOCRINOLOGY	ANTIDIURETIC HORMONE (ADH)	Ospedale San Raffaele	Plasma		2 - 8 °C	16		RIA	Gamma Counter MDA
ENDOCRINOLOGY	ADRENALINE	Ospedale San Raffaele	Plasma		2 - 8 °C	21		HPLC	HPLC
CLINICAL CHEMISTRY	ALBUMIN	Centro Cardiologico Monzino	Serum		Room Temperature	1		Colorimetric	Aleka
CLINICAL CHEMISTRY	ALBUMIN EXCRETION RATE	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "Preparation and Collection Methods for Albumin excretion rate quantification"	Room Temperature	4		Immunoturbidimetry	COBAS C 8000
CLINICAL CHEMISTRY	ALDOSE	Ospedale San Raffaele	Serum		2 - 8 °C	5		UV NADH	COBAS C 8000
ENDOCRINOLOGY	CLINO ALDOSTERONE	Ospedale San Raffaele	Serum	Blood sample taken after 30 minutes in supine position. This test is not performed on Saturday.	Room Temperature	8		Chemiluminescence	Liaison XL
ENDOCRINOLOGY	ORTHO ALDOSTERONE	Ospedale San Raffaele	Serum		Room Temperature	8		Chemiluminescence	Liaison XL
ENDOCRINOLOGY	URINARY ALDOSTERONE	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	11		Chemiluminescence	Liaison XL
CLINICAL CHEMISTRY	ALPHA 1-ANTITRYPSIN	Ospedale San Raffaele	Serum		Room Temperature	6		Turbidimetric	COBAS C 8000
CLINICAL CHEMISTRY	ALPHA-2-ANTITRYPASIN	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Chromogenic	STA-R
CLINICAL CHEMISTRY	ALPHA 1-ACID GLYCOPROTEIN	Ospedale San Raffaele	Serum		Room Temperature	2		Immunoturbidimetry	COBAS C 8000
CLINICAL CHEMISTRY	ALPHA 2-MACROGLOBULIN	Ospedale San Raffaele	Serum		Room Temperature	8		Turbidimetric	OPTILITE
CLINICAL CHEMISTRY	ALPHA-AMYLASE	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleka
TUMOR MARKERS	ALPHA-FETOPROTEIN	Istituto Europeo di Oncologia	Serum		Room Temperature	2		CLIA	Ainity
CLINICAL CHEMISTRY	PANCREATIC AMYLASE	Ospedale San Raffaele	Serum		Room Temperature	2		Immuno inhibition-PHPQT	COBAS C 8000
TOXICOLOGY	AMIKACIN (PEAK)	Ospedale San Raffaele	Serum		Room Temperature	2	Only for hospitalized patients	KIMS	COBAS C 8000
TOXICOLOGY	AMIKACIN (VALLE)	Ospedale San Raffaele	Serum		Room Temperature	2	Only for hospitalized patients	KIMS	COBAS C 8000
CLINICAL CHEMISTRY	AMMONIA	Centro Cardiologico Monzino	Plasma		2 - 8 °C	1		Enzymatic	Aleka
AUTOANTIBODIES	ANA (SCREENING)	Ospedale San Raffaele	Serum		Room Temperature	6		Indirect Immunofluorescence	Quanta Lysar
COAGULATION	LUPUS-LIKE ANTICOGULANT	Centro Cardiologico Monzino	Plasma		Room Temperature	3		ACL TOP550	ACL TOP
MICROBIOLOGY	ASPERGILLUS DETECTION	Ospedale San Raffaele	Serum		Room Temperature	5		ELISA	Manual processing method
TUMOR MARKERS	CA 125	Istituto Europeo di Oncologia	Serum		Room Temperature	2		CLIA	Ainity
TUMOR MARKERS	CA 15.3	Istituto Europeo di Oncologia	Serum		Room Temperature	2		CLIA	Ainity
TUMOR MARKERS	CA 72.4	Ospedale San Raffaele	Serum		Room Temperature	6		CLIA	COBAS C 8000
TUMOR MARKERS	CA 19.9 o GGA	Istituto Europeo di Oncologia	Serum		Room Temperature	2		CLIA	Ainity
SEROLOGY	CRYPTOCOCCUS ANTIGEN IN SERUM	Ospedale San Raffaele	Serum		Room Temperature	4		ELISA	Manual processing method
SEROLOGY	EPSTEIN BARR QUANTITATIVE DNA TEST	Ospedale San Raffaele	Plasma		Room Temperature	9		PCR real time	Flow
MICROBIOLOGY	HELIcobACTER PYLORI - FECAL ANTIGEN	Ospedale San Raffaele	Stool		Room Temperature	5		Chemiluminescence	Liaison XL
TUMOR MARKERS	FREE PSA (PROSTATE-SPECIFIC ANTIGEN)	Centro Cardiologico Monzino	Serum		Room Temperature	1		CLIA	Aleka
TUMOR MARKERS	TOTAL PSA (PROSTATE-SPECIFIC ANTIGEN)	Centro Cardiologico Monzino	Serum		Room Temperature	1		CLIA	Aleka
COAGULATION	ANTI THROMBIN III	Centro Cardiologico Monzino	Plasma		Room Temperature	1		Chromogenic	ACL TOP
CLINICAL CHEMISTRY	APOLIPOPROTEIN A1	Ospedale San Raffaele	Serum		Room Temperature	2		Enzymatic	Aleka
CLINICAL CHEMISTRY	APOLIPOPROTEIN B	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleka
PROTEINS	HAPTOGLOBIN	Ospedale San Raffaele	Serum		Room Temperature	6		Turbidimetric	COBAS C 8000

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CLINICAL CHEMISTRY	SERUM BETA 2 MICROGLOBULIN	Ospedale San Raffaele	Serum		Room Temperature	2		Immunoturbidimetry	COBAS C 8000
CLINICAL CHEMISTRY	URINARY BETA 2 MICROGLOBULIN	Ospedale San Raffaele	Urine		Room Temperature	4		Immunoturbidimetry	COBAS C 8000
CLINICAL CHEMISTRY	BICARBONATES	Centro Cardiologico Monzino	Heparinized blood		2 - 8 °C	1		GEM premier TMI IL	GEM 5000
CLINICAL CHEMISTRY	TOTAL BILIRUBIN (DIRECT OR INDIRECT BILIRUBIN)	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Atelica
MICROBIOLOGY	MYCOBACTERIA DETECTION: BIOPSY MICROSCOPIC EXAMINATION	Ospedale San Raffaele	Biopsy		Room Temperature	3	Only for hospitalized patients	Fluorescence microscopy	Manual processing method
MICROBIOLOGY	MYCOBACTERIA DETECTION: BIOPSY CULTURE EXAMINATION	Ospedale San Raffaele	Biopsy		Room Temperature	42	Only for hospitalized patients	Liquid media culture	BACTEC
MICROBIOLOGY	MYCOBACTERIA DETECTION: BRONCHIAL ASPIRATE MICROSCOPIC EXAMINATION	Centro Cardiologico Monzino	Bronchial aspirate		Room Temperature	3	Only for hospitalized patients	Fluorescence microscopy	Manual processing method
MICROBIOLOGY	MYCOBACTERIA DETECTION: BRONCHIAL ASPIRATE CULTURE EXAMINATION	Centro Cardiologico Monzino	Bronchial aspirate		Room Temperature	42	Only for hospitalized patients	Liquid media culture	BACTEC
VIROLOGY	BK VIRUS DNA DETECTION	Ospedale San Raffaele	Plasma		2 - 8 °C	12		PCR real time	Flow-INGENIUS
CLINICAL CHEMISTRY	BNP (BRAIN NATRIURETIC PEPTIDE)	Centro Cardiologico Monzino	Plasma		Room Temperature	1		CLIA	Atelica
TUMOR MARKERS	CAG9	Istituto Europeo di Oncologia	Serum		Room Temperature	21		CLIA	Ainity
CLINICAL CHEMISTRY	SERUM CALCIUM	Centro Cardiologico Monzino	Plasma		Room Temperature	1		CLIA	Atelica
CLINICAL CHEMISTRY	IONIZED CALCIUM	Centro Cardiologico Monzino	Heparinized blood		2 - 8 °C	2		GEM premier TMI IL	GEM 5000
CLINICAL CHEMISTRY	URINARY CALCIUM	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		CLIA	Atelica
TUMOR MARKERS	CALCITONIN	Ospedale San Raffaele	Serum		2 - 8 °C	5		ECLIA	COBAS C 8000
CLINICAL CHEMISTRY	URINARY STONE (CHEMICAL-PHYSICAL EXAMINATION)	Ospedale San Raffaele	Urinary stone		Room Temperature	7		FTIR	FT/IR
TOXICOLOGY	CARBAMAZEPINE ASSAY	Ospedale San Raffaele	Serum		2 - 8 °C	2		Immunochem	COBAS C 8000
TOXICOLOGY	CARBOXYHEMOGLOBIN (COHb)	Ospedale San Raffaele	EDTA blood		2 - 8 °C	2		GEM premier TMI IL	GEM 5000
CLINICAL CHEMISTRY	FRACTIONATED URINARY CATECHOLAMINES	Ospedale San Raffaele	Acidified Urine 24h	Refer to the operational instructions "Complete and fractionated urinary catecholamines: Collection of urine in 24h mode with Hydrochloric acid."	Room Temperature	9		HPLC	Chromat
CLINICAL CHEMISTRY	URINARY LIGHT CHAINS	Ospedale San Raffaele	Urine 24h with sodium azide	Refer to the operational instructions "24-hour Urine Urinary light chain quantification"	Room Temperature	4		HPLC	Chromat
TUMOR MARKERS	CEA (CARCINOEMBRYONIC ANTIGEN)	Istituto Europeo di Oncologia	Serum		Room Temperature	2		CLIA	Ainity
CLINICAL CHEMISTRY	CERULOPLASMIN	Ospedale San Raffaele	Serum		Room Temperature	5		Turbidimetric	COBAS C 8000
ENDOCRINOLOGY	CH50	Ospedale San Raffaele	Serum		Room Temperature	12		Turbidimetric	OPTILITE
MICROBIOLOGY	CHLAMYDIA PNEUMONIAE DNA DETECTION	Ospedale San Raffaele	Respiratory specimen		Room Temperature	5		PCR real time	TAQ MAN 7500
TOXICOLOGY	CYTOMEGALOVIRUS (CMV)	Istituto Europeo di Oncologia	EDTA blood		Room Temperature	3		CLIA	Ainity
VIROLOGY	CYTOMEGALOVIRUS DNA DETECTION	Ospedale San Raffaele	Plasma		2 - 8 °C	6		PCR real time	Flow-INGENIUS
CLINICAL CHEMISTRY	URINARY CITRIC ACID	Ospedale San Raffaele	Acidified Urine 24h	Refer to the operational instructions "Collection of 24h urine with Hydrochloric acid"	Room Temperature	7		Enzymatic	COBAS C 8000
CLINICAL CHEMISTRY	CK-MB (CREATINE KINASE-MB)	Centro Cardiologico Monzino	Serum		2 - 8 °C	1		ECLIA	Atelica
CLINICAL CHEMISTRY	SERUM CHLORIDE	Centro Cardiologico Monzino	Serum		2 - 8 °C	1		Indirect ISE	Atelica
CLINICAL CHEMISTRY	URINARY CHLORIDE	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		Indirect ISE	Atelica
MICROBIOLOGY	CLOSTRIDIUM DIFFICILE TOXIGENIC DETECTION	Centro Cardiologico Monzino	Stool	Refer to the operational instructions in the document "Stool Collection Methods"	Room Temperature	1		Indirect Immunofluorescence	SD BOSENSOR
CLINICAL CHEMISTRY	HDL CHOLESTEROL	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Atelica
CLINICAL CHEMISTRY	LDL CHOLESTEROL (CALCULATED/ DIRECTLY MEASURED)	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Atelica
CLINICAL CHEMISTRY	TOTAL CHOLESTEROL	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Atelica
CLINICAL CHEMISTRY	PSEUDOCHEMESTERASE	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Atelica
CLINICAL CHEMISTRY	C3 - COMPLEMENT FRACTION	Ospedale San Raffaele	Serum		Room Temperature	2		Immunoturbidimetry	COBAS C 8000
CLINICAL CHEMISTRY	C4 - COMPLEMENT FRACTION	Ospedale San Raffaele	Serum		Room Temperature	2		Immunoturbidimetry	COBAS C 8000
CLINICAL CHEMISTRY	C1G	Ospedale San Raffaele	Serum		Room Temperature	8		Turbidimetric	OPTILITE
HEMATOLOGY	PLATELET COUNT (CITRATE)	Centro Cardiologico Monzino	Citrate Plasma		Room Temperature	1		SYSMEX XN	SYSMEX XN
HEMATOLOGY	PLATELET COUNT (HEPARIN)	Centro Cardiologico Monzino	Heparinized blood		Room Temperature	1		SYSMEX XN	SYSMEX XN
IMMUNOHEMATOLOGY	DIRECT COOMBS TEST	Centro Cardiologico Monzino	EDTA blood		Room Temperature	1		Agglutination	ORTHO INNOVA
IMMUNOHEMATOLOGY	INDIRECT COOMBS TEST	Centro Cardiologico Monzino	Plasma		Room Temperature	1		Agglutination	ORTHO INNOVA
MICROBIOLOGY	STOOL CULTURE: SALMONELLA SHIGELLA AND CAMPYLOBACTER DETECTION	Centro Cardiologico Monzino	Stool	Refer to the operational instructions in the document "Stool Collection Methods"	Room Temperature	4		Solid media culture	Manual processing method
ENDOCRINOLOGY	CORTISOL	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
ENDOCRINOLOGY	URINE CORTISOL	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	4		ECLIA	COBAS C 8000
CLINICAL CHEMISTRY	CK (CREATINE KINASE)	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Atelica
CLINICAL CHEMISTRY	CREATININE	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Atelica
CLINICAL CHEMISTRY	CREATININE CLEARANCE	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "24-hour Urine Creatinine Clearance"	Room Temperature	1		ECLIA	Atelica
CLINICAL CHEMISTRY	2H URINARY CREATININE	Centro Cardiologico Monzino	Urine		Room Temperature	1		ECLIA	Atelica
CLINICAL CHEMISTRY	24H URINARY CREATININE	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		ECLIA	Atelica
CLINICAL CHEMISTRY	CRYOGLOBULINS	Centro Cardiologico Monzino	Serum		Transport without cooling, at 37°C	8		Precipitation at temperature -33°C	Visualization of precipitates at the bottom of the test tubes
CLINICAL CHEMISTRY	CRYOGLOBULIN TYPING	Ospedale San Raffaele	Serum		Transport without cooling, at 37°C	11		Immunofixation	Hydrasys
TUMOR MARKERS	CHROMOGRANIN A	Ospedale San Raffaele	Plasma		Room Temperature	16		ELISA	DISA
SEROLOGY	FTA-ABS (FLUORESCENT TREPONEMAL ANTIBODY ABSORPTION TEST)	Ospedale San Raffaele	Serum		Room Temperature	5		Indirect Immunofluorescence	Manual processing method
CLINICAL CHEMISTRY	ORAL GLUCOSE TOLERANCE TEST (OGTT)	Centro Cardiologico Monzino	Plasma	This test is not performed on Saturday.	Room Temperature	1		Hexokinase Method	Atelica
TUMOR MARKERS	CVFRA 21.1	Ospedale San Raffaele	Serum		Room Temperature	6		ECLIA	COBAS C 8000
COAGULATION	D-DIMER	Centro Cardiologico Monzino	Plasma		Room Temperature	1		ACL TOP550	ACL TOP 550
ENDOCRINOLOGY	DEHYDROEPIANDROSTERONE (DHEA)	Ospedale San Raffaele	Serum		Room Temperature	21		ELISA	Dynex Technologies
ENDOCRINOLOGY	DEHYDROEPIANDROSTERONE SULFATE (DHEA-S)	Ospedale San Raffaele	Serum		Room Temperature	5		ECLIA	COBAS C 8000
ENDOCRINOLOGY	DELTA-4-ANDROSTENEDIONE	Ospedale San Raffaele	Serum		Room Temperature	5		Chemiluminescence	Liason XL
ENDOCRINOLOGY	DIHYDROTESTOSTERONE (DHT)	Ospedale San Raffaele	Serum		Room Temperature	21		ELISA	Dynex Technologies
TOXICOLOGY	DIGOXIN	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Atelica
TOXICOLOGY	DIPHENHYDANTON	Ospedale San Raffaele	Serum		Room Temperature	2		Imm	COBAS C 8000
CLINICAL CHEMISTRY	PANCREATIC ELASTASE 1	Ospedale San Raffaele	Stool		Room Temperature	16		Chemiluminescence	Liason XL
PROTEINS	LIPROTEIN ELECTROPHORESIS	Ospedale San Raffaele	Serum		Room Temperature	6		Agarose Gel	Hydrasys
PROTEINS	URINARY PROTEIN ELECTROPHORESIS	Ospedale San Raffaele	Urine		Room Temperature	5		Agarose Gel	Hydrasys
PROTEINS	HEMOGLOBIN ELECTROPHORESIS	Ospedale San Raffaele	EDTA blood		Room Temperature	4		HPLC	TOSOH
PROTEINS	SERUM PROTEIN ELECTROPHORESIS	Centro Cardiologico Monzino	Serum		Room Temperature	1		Capillary Electrophoresis	Miracap
MICROBIOLOGY	PERIPHERAL VENOUS BLOOD CULTURE	Centro Cardiologico Monzino	Blood		Room Temperature	6		Vitek 2	Vitek 2
CLINICAL CHEMISTRY	ARTERIAL BLOOD GAS ANALYSIS	Centro Cardiologico Monzino	Heparinized blood	This test is not performed on Saturday.	2 - 8 °C	1		GEM premier TMI IL	GEM 5000
CLINICAL CHEMISTRY	VENOUS BLOOD GAS ANALYSIS	Centro Cardiologico Monzino	Heparinized blood		2 - 8 °C	1		GEM premier TMI IL	GEM 5000
CLINICAL CHEMISTRY	GLYCOSYLATED HEMOGLOBIN (HbA1c)	Centro Cardiologico Monzino	Heparinized blood		Room Temperature	1		HPLC	TOSOH
CLINICAL CHEMISTRY	FREE PLASMA HEMOGLOBIN	Ospedale San Raffaele	Plasma		Room Temperature	6		Derivative Spectrophotometry	spectrophotometer

ANALYTICAL SECTOR	ANALYSIS	LABORATORY TEST CENTRE	SAMPLE	NOTE FOR PATIENTS	SAMPLE CONDITIONS OF CARRIAGE	RESPONSE TIME (DAYS)	SERVICES AVAILABLE ONLY FOR HOSPITALIZED PATIENTS	ANALYTICAL METHOD	INSTRUMENTATION
TUMOR MARKERS	NSE (NEURON-SPECIFIC ENOLASE)	Ospedale San Raffaele	Serum		Room Temperature	5		ECLIA	COBAS C 8000
VIROLOGY	ENTEROVIRUS DETECTION	Ospedale San Raffaele	Plasma		2 - 8 °C	12		PCR real time	FLOW
COAGULATION	PM LMWH (LOW MOLECULAR WEIGHT HEPARIN)	Ospedale San Raffaele	Plasma		2 - 8 °C	21	Only for hospitalized patients	Chromogenic	STAR R
SEROLOGY	HAV IgG	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
ENDOCRINOLOGY	ERYTHROPOIETIN	Ospedale San Raffaele	Serum		Room Temperature	6		Chemiluminescence	IMMULITE 2000
HEMATOLOGY	COMPLETE BLOOD COUNT + WHITE BLOOD CELL DIFFERENTIAL ANALYSIS + PLATELET COUNT	Centro Cardiologico Monzino	EDTA blood		Room Temperature	1		SYSTEM XN	SYSTEM XN
CLINICAL CHEMISTRY	BODY FLUIDS: CHEMICAL-PHYSICAL EXAMINATION: ASCITIC FLUID	Centro Cardiologico Monzino	Sterile specimen		Room Temperature	1	Only for hospitalized patients	ECLIA	Aleica
CLINICAL CHEMISTRY	BODY FLUIDS: CHEMICAL-PHYSICAL EXAMINATION: PERICARDIAL FLUID	Centro Cardiologico Monzino	Sterile specimen		Room Temperature	1	Only for hospitalized patients	ECLIA	Aleica
CLINICAL CHEMISTRY	BODY FLUIDS: CHEMICAL-PHYSICAL EXAMINATION: PLEURAL FLUID	Centro Cardiologico Monzino	Sterile specimen		Room Temperature	1	Only for hospitalized patients	ECLIA	Aleica
MICROBIOLOGY	CENTRAL CATHETER BLOOD CULTURE	Centro Cardiologico Monzino	Blood		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	BRONCHOPULMONARY CULTURE	Centro Cardiologico Monzino	Bronchial aspirate		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	SPUTUM CULTURE	Centro Cardiologico Monzino	Sputum	Refer to the operational instructions in the document "Sputum collection for cultural exam"	Room Temperature	3		Vitek 2	Vitek2
MICROBIOLOGY	STITCHES CULTURE (SURGICAL SUTURE)	Centro Cardiologico Monzino	Stitches		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	PERICARDIAL BIOPSY CULTURE	Centro Cardiologico Monzino	Pericardial biopsy		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	LYMPHATIC FLUID CULTURE	Centro Cardiologico Monzino	Lymphatic fluid		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	PERICARDIAL FLUID CULTURE	Centro Cardiologico Monzino	Pericardial fluid		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	PERITONEAL FLUID CULTURE	Centro Cardiologico Monzino	Peritoneal fluid		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	PLEURAL FLUID CULTURE	Centro Cardiologico Monzino	Pleural fluid		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	BIOLOGICAL MATERIAL CULTURE	Centro Cardiologico Monzino	Biological specimen		Room Temperature	3		Vitek 2	Vitek2
MICROBIOLOGY	PROSTHESIS MATERIAL CULTURE	Centro Cardiologico Monzino	Prosthesis material		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	PUS CULTURE	Centro Cardiologico Monzino	Pus		Room Temperature	3		Vitek 2	Vitek2
MICROBIOLOGY	EAR SWAB	Centro Cardiologico Monzino	Swab		Room Temperature	3		Vitek 2	Vitek2
MICROBIOLOGY	TISSUE CULTURE	Centro Cardiologico Monzino	Tissue specimen		Room Temperature	3		Vitek 2	Vitek2
MICROBIOLOGY	HEART VALVES CULTURE	Centro Cardiologico Monzino	Heart valves		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
MICROBIOLOGY	PHARYNGEAL SWAB	Centro Cardiologico Monzino	Swab		Room Temperature	3		Vitek 2	Vitek2
MICROBIOLOGY	VAGINAL SWAB	Centro Cardiologico Monzino	Swab		Room Temperature	3	Only for hospitalized patients	Vitek 2	Vitek2
VIROLOGY	SARS COV-2 ANTIGEN DETECTION (1° GEN.)	Centro Cardiologico Monzino	Swab		Room Temperature	1		Immunochromatographic	Manual processing method
VIROLOGY	SARS COV-2 + H1N1 + H3N2 ANTIGEN DETECTION (2° GEN.)	Centro Cardiologico Monzino	Swab		Room Temperature	1		Indirect Immunofluorescence	SD BIOSENSOR
VIROLOGY	SARS COV-2 ANTIGEN DETECTION (2° GEN.)	Centro Cardiologico Monzino	Swab		Room Temperature	1		Indirect Immunofluorescence	SD BIOSENSOR
MICROBIOLOGY	PLEURAL FLUID	Centro Cardiologico Monzino	Pleural fluid		Room Temperature	3	Only for hospitalized patients	ECLIA	Aleica
MICROBIOLOGY	MYCOBACTERIA DETECTION: SPUTUM CULTURE	Ospedale San Raffaele	Sputum	Refer to the operational instructions in the document "Mycobacteria detection: sputum collection"	Room Temperature	42		Liquid media culture	BACTEC
MICROBIOLOGY	MYCOBACTERIA DETECTION: MICROSCOPIC SPUTUM CULTURE	Ospedale San Raffaele	Sputum		Room Temperature	3		Fluorescence microscopy	Manual processing method
ENDOCRINOLOGY	FREE ESTRADIOL (E3)	Ospedale San Raffaele	Serum		Room Temperature	6		Chemiluminescence	IMMULITE 2000
ENDOCRINOLOGY	ESTRONE	Ospedale San Raffaele	Serum		Room Temperature	11		ELISA	DSX
COAGULATION	VON WILLEBRAND FACTOR ANTIGEN	Centro Cardiologico Monzino	Plasma		Room Temperature	3		ACL TOP550	ACLTOP 550
COAGULATION	FACTOR II	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
CLINICAL CHEMISTRY	RHEUMATOID ARTHRITIS TEST (RA TEST)	Ospedale San Raffaele	Serum		Room Temperature	2		Immunoturbidimetry	COBAS C 8000
COAGULATION	FACTOR V	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
COAGULATION	FACTOR VII	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
COAGULATION	FACTOR VIII	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
COAGULATION	FACTOR IX	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
COAGULATION	FACTOR X	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
COAGULATION	FACTOR XI	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
COAGULATION	FACTOR XII	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
COAGULATION	FACTOR XIII	Ospedale San Raffaele	Plasma		2 - 8 °C	11		Coagulometric	STAR R
CLINICAL CHEMISTRY	FECAL OCCULT BLOOD SEARCH (3 SAMPLES)	Centro Cardiologico Monzino	Stool	Refer to the operational instructions in the document "Stool Collection Methods"	Room Temperature	1		Indirect Immunofluorescence	SD BIOSENSOR
MICROBIOLOGY	GIARDIA AND CRYPTOSPORIDIUM STOOL DETECTION	Ospedale San Raffaele	Stool	Refer to the operational instructions in the document "Stool Collection Methods for parasite detection."	Room Temperature	5		Optical microscopic investigation	Manual processing method
MICROBIOLOGY	STOOL PARASITE SEARCH	Ospedale San Raffaele	Stool	Refer to the operational instructions in the document "Stool Collection Methods for parasite detection."	Room Temperature	5		Optical microscopic investigation	Manual processing method
TOXICOLOGY	GENTAMICIN (PEAK)	Ospedale San Raffaele	Serum		Room Temperature	2		kims	COBAS C 8000
CLINICAL CHEMISTRY	FERRITIN	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
COAGULATION	FIBRINOGEN	Centro Cardiologico Monzino	Plasma		Room Temperature	1		Clauss	ACLTOP 550
CLINICAL CHEMISTRY	FOLIC ACID	Centro Cardiologico Monzino	Serum		Protect the sample from light using an aluminum foil. Room Temperature.	3		ECLIA	Aleica
TUMOR MARKERS	PROSTATIC ACID PHOSPHATASE	Ospedale San Raffaele	Serum		Room Temperature	3		Cobometric	COBAS C 8000
CLINICAL CHEMISTRY	ALKALINE PHOSPHATASE	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
CLINICAL CHEMISTRY	SERUM PHOSPHORUS	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
CLINICAL CHEMISTRY	URINARY PHOSPHORUS	Centro Cardiologico Monzino	Acidified Urine 24h	Refer to the operational instructions "Collection of 24h urine with hydrochloric acid."	Room Temperature	1		ECLIA	Aleica
CLINICAL CHEMISTRY	FRUCTOSAMINE	Ospedale San Raffaele	Serum		Room Temperature	3		Cobometric	COBAS C 8000
ENDOCRINOLOGY	F3 (FREE TRIIODOTHYRONINE)	Centro Cardiologico Monzino	Serum		Room Temperature	1		Immunoenzymatic	Aleica
ENDOCRINOLOGY	F4 (FREE THYROXINE)	Centro Cardiologico Monzino	Serum		Room Temperature	1		Immunoenzymatic	Aleica
SEROLOGY	HAV IgM	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
CLINICAL CHEMISTRY	GAMMA GLUTAMYL TRANSFERASE (GGT)	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
ENDOCRINOLOGY	GASTRIN	Ospedale San Raffaele	Serum		Room Temperature	5		Chemiluminescence	IMMULITE 2000
TOXICOLOGY	GENTAMICIN (VALLEY)	Ospedale San Raffaele	Serum		Room Temperature	2		kims	COBAS C 8000
TOXICOLOGY	LAMOTRIGINE	Ospedale San Raffaele	Serum		Room Temperature	16		ECLIA	COBAS C 8000
CLINICAL CHEMISTRY	BLOOD GLUCOSE	Centro Cardiologico Monzino	Serum		Room Temperature	1		Hexokinase Method	Aleica
CLINICAL CHEMISTRY	24H URINARY GLUCOSE	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		Hexokinase Method	Aleica
CLINICAL CHEMISTRY	BLOOD GLUCOSE and POSTPRANDIAL GLUCOSE	Centro Cardiologico Monzino	Plasma	This test is not performed on Saturday.	Room Temperature	1		Hexokinase Method	Aleica
CLINICAL CHEMISTRY	ORAL GLUCOSE TOLERANCE TEST (3 SAMPLINGS)	Centro Cardiologico Monzino	Plasma	This test is not performed on Saturday.	Room Temperature	1		Hexokinase Method	Aleica
CLINICAL CHEMISTRY	ORAL GLUCOSE TOLERANCE TEST (8 SAMPLINGS)	Centro Cardiologico Monzino	Plasma	This test is not performed on Saturday.	Room Temperature	1		Hexokinase Method	Aleica
CLINICAL CHEMISTRY	GLUCOSE-6-PHOSPHATE DEHYDROGENASE (G6PDH)	Ospedale San Raffaele	Plasma		Room Temperature	6		Photometric	COBAS C 8000
TUMOR MARKERS	BETA HCG	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
IMMUNOHEMATOLOGY	BLOOD GROUP AND RH FACTOR	Centro Cardiologico Monzino	Plasma		Room Temperature	1		Agglutination	ORTHO INNOVA
VIROLOGY	HBV DNA - QUANTITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	11		PCR real time	COBAS C 6800

ANALYTICAL SECTOR	ANALYSIS	LABORATORY TEST CENTRE	SAMPLE	NOTE FOR PATIENTS	SAMPLE CONDITIONS OF CARRIAGE	RESPONSE TIME (DAYS)	SERVICES AVAILABLE ONLY FOR HOSPITALIZED PATIENTS	ANALYTICAL METHOD	INSTRUMENTATION
VIROLOGY	HCV GENOTYPE DETERMINATION	Ospedale San Raffaele	Plasma		2 - 8 °C	12		Sequencing after PCR	Sequenziatore 377
VIROLOGY	HCV RNA - QUANTITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	8		PCR real time	COBAS C 6800
VIROLOGY	HCV RNA - QUALITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	8		PCR real time	COBAS C 6800
VIROLOGY	HIV PCR - QUANTITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	8		PCR real time	ABI Prism 7900
IMMUNOHEMATOLOGY	HLA-B TYPING	Ospedale San Raffaele	EDTA blood		Room Temperature	8		PCR sso	Manual processing method
IMMUNOHEMATOLOGY	HLA-B*77 HLA TYPING	Ospedale San Raffaele	EDTA blood		Room Temperature	8		PCR sso	Manual processing method
IMMUNOHEMATOLOGY	LOW RESOLUTION HLA - DRB TYPING	Ospedale San Raffaele	EDTA blood		Room Temperature	8		PCR sso	Manual processing method
VIROLOGY	HSV-1 DNA - QUANTITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	11		PCR real time	Eltect Ingenus
VIROLOGY	HSV-2 DNA - QUANTITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	11		PCR real time	Eltect Ingenus
VIROLOGY	HUMAN HERPESVIRUS 8 DNA DETECTION (HHV-8)	Ospedale San Raffaele	Plasma		2 - 8 °C	11		PCR real time	Eltect Ingenus
VIROLOGY	HTLV - 1 WESTERN BLOT	Ospedale San Raffaele	Serum		2 - 8 °C	12		Western blot	Autobot
VIROLOGY	HTLV - 2 WESTERN BLOT	Ospedale San Raffaele	Serum		2 - 8 °C	12		Western blot	Autobot
PROTEINS	24H HYDROXYPROLINE URINE LEVEL	Ospedale San Raffaele	Acidified Urine 24h	Refer to the operational instructions "24-hour Urine Hydroxyproline quantification"	Room Temperature	10		HPLC	Hpk
PROTEINS	2H HYDROXYPROLINE URINE LEVEL	Ospedale San Raffaele	Urine	Refer to the operational instructions "2-hour Urine Hydroxyproline quantification"	Room Temperature	10		HPLC	Hpk
CLINICAL CHEMISTRY	TOTAL IgG	Ospedale San Raffaele	Serum		Room Temperature	4		FEIA	Unicap 1000
AUTOANTIBODIES	CIRCULATING IMMUNE COMPLEXES	Ospedale San Raffaele	Serum		2 - 8 °C	11		ELISA	Manual processing method
CLINICAL CHEMISTRY	SERUM IMMUNOFIXATION	Centro Cardiologico Monzino	Serum		Room Temperature	1		Capillary electrophoresis	Mnicap
CLINICAL CHEMISTRY	IgG (immunoglobulin G)	Istituto Europeo di Oncologia	Serum		Room Temperature	2		ECLIA	Ainity
CLINICAL CHEMISTRY	IgA (immunoglobulin A)	Istituto Europeo di Oncologia	Serum		Room Temperature	2		ECLIA	Ainity
CLINICAL CHEMISTRY	IgM (immunoglobulin M)	Istituto Europeo di Oncologia	Serum		Room Temperature	2		ECLIA	Ainity
CLINICAL CHEMISTRY	INTERLEUKIN 1-2	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aetlica
CLINICAL CHEMISTRY	INTERLEUKIN 6	Ospedale San Raffaele	Serum		Room Temperature	2		ECLIA	COBAS C 6800
ENDOCRINOLOGY	INSULIN (B AND I5)	Centro Cardiologico Monzino	Serum	This test is not performed on Saturday.	Room Temperature	5		ECLIA	Aetlica
ENDOCRINOLOGY	INSULIN	Centro Cardiologico Monzino	Serum		Room Temperature	3		ECLIA	Aetlica
ENDOCRINOLOGY	TOTALE INSULIN LOAD CURVE 5 DETERMINATIONS	Centro Cardiologico Monzino	Serum	This test is not performed on Saturday.	Room Temperature	5		ECLIA	Aetlica
CLINICAL CHEMISTRY	CREATINE KINASE ISOENZYMES	Ospedale San Raffaele	Serum		Room Temperature	6		Agarose Gel	Hydrays
CLINICAL CHEMISTRY	LDH ISOENZYMES	Ospedale San Raffaele	Serum		Room Temperature	6		Agarose Gel	Hydrays
CLINICAL CHEMISTRY	ALKALINE PHOSPHATASE ISOENZYMES	Ospedale San Raffaele	Serum		Room Temperature	6		Agarose Gel	Hydrays
VIROLOGY	JC VIRUS DNA DETECTION	Ospedale San Raffaele	EDTA blood		Room Temperature	11		PCR real time	FLOW INGENUIS
TOXICOLOGY	LEAD	Ospedale San Raffaele	EDTA blood		Room Temperature	16		ICP	ICP
CLINICAL CHEMISTRY	LACTIC ACID	Ospedale San Raffaele	Plasma		2 - 8 °C	2		GEM premier TMI L	GEM 5000
CLINICAL CHEMISTRY	LACTATE DEHYDROGENASE	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aetlica
MICROBIOLOGY	LEGIONELLA URINARY ANTIGEN	Centro Cardiologico Monzino	Urine		Room Temperature	1		Indirect Immunofluorescence	SD BIOSENSOR
TOXICOLOGY	LINZOLID	ASST Fatebenefratelli Sacco	Plasma	This test is not performed on Saturday.	Room Temperature	4	Only for hospitalized patients		
IMMUNOHEMATOLOGY	B CELLS - CD19	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
IMMUNOHEMATOLOGY	B CELLS - CD20	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
IMMUNOHEMATOLOGY	T CELLS - CD8	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
IMMUNOHEMATOLOGY	T CELLS - CD3	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
IMMUNOHEMATOLOGY	T HELPER (CD4)	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
IMMUNOHEMATOLOGY	T CELLS - CD5	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
IMMUNOHEMATOLOGY	NATURAL KILLER - CD56	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
IMMUNOHEMATOLOGY	T SUPPRESSOR - CD8	Ospedale San Raffaele	EDTA blood		Room Temperature	4		Flow cytometry	Navis
CLINICAL CHEMISTRY	LIPASE	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aetlica
CLINICAL CHEMISTRY	LIPOPROTEIN (A)	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aetlica
MICROBIOLOGY	MYCOBACTERIA DETECTION: PERICARDIAL FLUID MICROSCOPIC EXAMINATION	Ospedale San Raffaele	Pericardial fluid		Room Temperature	42	Only for hospitalized patients	Liquid media culture	BACTEC
MICROBIOLOGY	MYCOBACTERIA DETECTION: PERICARDIAL FLUID CULTURE EXAMINATION	Ospedale San Raffaele	Pericardial fluid		Room Temperature	3	Only for hospitalized patients	Fluorescence microscopy	Manual processing method
MICROBIOLOGY	MYCOBACTERIA DETECTION: PLEURAL FLUID MICROSCOPIC EXAMINATION	Ospedale San Raffaele	Pleural fluid		Room Temperature	42	Only for hospitalized patients	Liquid media culture	BACTEC
MICROBIOLOGY	MYCOBACTERIA DETECTION: PLEURAL FLUID CULTURE EXAMINATION	Ospedale San Raffaele	Pleural fluid		Room Temperature	3	Only for hospitalized patients	Fluorescence microscopy	Manual processing method
PROTEINS	URINARY LYSYL-PIRROLINE	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	9		HPLC	HPLC
TOXICOLOGY	LITHIUM	Ospedale San Raffaele	Serum		Room Temperature	5		Cobaltometric	COBAS
TOXICOLOGY	LITHIUM IN RED BLOOD CELLS	Ospedale San Raffaele	EDTA blood		Room Temperature	5		HPLC	VARIAN
CLINICAL CHEMISTRY	SERUM MAGNESIUM	Centro Cardiologico Monzino	Serum		Room Temperature	1		Cobaltometric	Aetlica
CLINICAL CHEMISTRY	URINARY MAGNESIUM	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		Cobaltometric	Aetlica
TOXICOLOGY	BLOOD MERCURY	Ospedale San Raffaele	EDTA blood		Room Temperature	16		HPLC	VARIAN
TOXICOLOGY	MEROPENEM	ASST Fatebenefratelli Sacco	EDTA blood	This test is not performed on Saturday.	Room Temperature	4	Only for hospitalized patients		
TOXICOLOGY	METHEMOGLOBIN	Ospedale San Raffaele	EDTA blood		Room Temperature			Derivative Spectrophotometry	RAPID POINT
MICROBIOLOGY	MYCOBACTERIA BLOOD DETECTION	Ospedale San Raffaele	Blood		Room Temperature	42	Only for hospitalized patients	Liquid media culture	BACTEC
CLINICAL CHEMISTRY	MICROALBUMINURIA - EARLY MORNING URINE	Centro Cardiologico Monzino	Urine	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	2		Enzymatic	Aetlica
SEROLOGY	HCV RIBA (HCV RECOMBINANT IMMUNOBLOT ASSAY)	Ospedale San Raffaele	Serum		Room Temperature	5		Immunoblot	Inno LIA HCV
MOLECULAR BIOLOGY AND GENETICS	FATTORE II MUTATION	Ospedale San Raffaele	EDTA blood		Room Temperature	12		PCR real time	Manual processing method
MOLECULAR BIOLOGY AND GENETICS	FATTORE V MUTATION	Ospedale San Raffaele	EDTA blood		Room Temperature	12		PCR real time	Manual processing method
MOLECULAR BIOLOGY AND GENETICS	MTHFR MUTATION	Ospedale San Raffaele	EDTA blood		Room Temperature	12		PCR real time	SMART_CYCLE
MICROBIOLOGY	MYCOBACTERIUM TUBERCULOSIS COMPLEX DNA DETECTION	Ospedale San Raffaele	Biological specimen		Room Temperature	7	Only for hospitalized patients	PCR real time	RotorGene 3000 MYCAMET029
MICROBIOLOGY	MYCOPLASMA PNEUMONIAE DNA DETECTION	Ospedale San Raffaele	Respiratory specimen		Room Temperature	4	Only for hospitalized patients	PCR real time	CFX 96
MOLECULAR BIOLOGY AND GENETICS	NGS	Istituto Europeo di Oncologia	EDTA blood	Blood sample taken after a cardiological examination	Room Temperature	30		NGS	illumina
CLINICAL CHEMISTRY	SERUM NORADRENALINE	Ospedale San Raffaele	Plasma		2 - 8 °C	21		HPLC	HPLC
COAGULATION	HOMOCYSTEINE	Centro Cardiologico Monzino	Plasma		2 - 8 °C	3		ECLIA	Aetlica
ENDOCRINOLOGY	ADRENOCORTICOTROPIC HORMONE (ACTH)	Ospedale San Raffaele	Plasma		2 - 8 °C	5		ECLIA	COBAS C 8000
ENDOCRINOLOGY	FOLLICLE-STIMULATING HORMONE (FSH)	Istituto Europeo di Oncologia	Serum		Room Temperature	3		ECLIA	Ainity
ENDOCRINOLOGY	LUTEINIZING HORMONE (LH)	Istituto Europeo di Oncologia	Serum		Room Temperature	3		ECLIA	Ainity
ENDOCRINOLOGY	SOMATOTROPIN HORMONE	Ospedale San Raffaele	Serum		Room Temperature	4		ECLIA	COBAS C 8000
CLINICAL CHEMISTRY	SERUM OSMOLALITY	Ospedale San Raffaele	Serum		Room Temperature	2		DELTA CRYOSCOPIC METHOD	OSMOMETRO
CLINICAL CHEMISTRY	URINARY OSMOLALITY	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	2		DELTA CRYOSCOPIC METHOD	OSMOMETRO

ANALYTICAL SECTOR	ANALYSIS	LABORATORY TEST CENTRE	SAMPLE	NOTE FOR PATIENTS	SAMPLE CONDITIONS OF CARRIAGE	RESPONSE TIME (DAYS)	SERVICES AVAILABLE ONLY FOR HOSPITALIZED PATIENTS	ANALYTICAL METHOD	INSTRUMENTATION
CLINICAL CHEMISTRY	URINARY OXALATE	Ospedale San Raffaele	Acidified Urine 24h	Refer to the operational instructions "Collection of 24h urine with Hydrochloric acid"	Room Temperature	7		Enzymatic	COBAS
PROTEINS	OSTEOCALCIN	Ospedale San Raffaele	Serum		2 - 8 °C	5		ECLIA	COBAS 8000
TOXICOLOGY	COCOAIBAZIPINE	Ospedale San Raffaele	Serum		Room Temperature	16		LC/MS	LoMS
ENDOCRINOLOGY	PARATHYROID HORMONE (INTACT PTH 1-84)	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
ENDOCRINOLOGY	C-PEPTIDE	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS 8000
ENDOCRINOLOGY	C-PEPTIDE (H8 AND 15)	Ospedale San Raffaele	Serum		Room Temperature	5		ECLIA	COBAS 8000
TOXICOLOGY	PHENOBARBITAL	Ospedale San Raffaele	Serum		Room Temperature	2		kms	COBAS C 8000
CLINICAL CHEMISTRY	ERYTHROCYTE PYRUVATE KINASE	Ospedale San Raffaele	EDTA blood		Room Temperature	6		Enzymatic	Penta 400
COAGULATION	PLASMINOGEN	Ospedale San Raffaele	Plasma		2 - 8 °C	6		Chromogenic	STAR R
MICROBIOLOGY	STREPTOCOCCUS PNEUMONIAE - URINARY ANTIGEN	Centro Cardiologico Monzino	Urine		Room Temperature	1		Indirect Immunofluorescence	SD BIOSENSOR
MICROBIOLOGY	PNEUMOCYSTIS JIROVECI DETECTION IN BRONCHOALVEOLAR LAVAGE	Ospedale San Raffaele	Bronchoalveolar lavage		Room Temperature	2	Only for hospitalized patients	PCR real time	Eitest Ingenia
CLINICAL CHEMISTRY	SERUM POTASSIUM	Centro Cardiologico Monzino	Serum		Room Temperature	1		Indirect ISE	Aleica
CLINICAL CHEMISTRY	URINARY POTASSIUM	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		Indirect ISE	Aleica
CLINICAL CHEMISTRY	PREALBUMIN	Ospedale San Raffaele	Serum		Room Temperature	6		Turbidimetric	COBAS 8000
CLINICAL CHEMISTRY	PROCALCITONIN	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
ENDOCRINOLOGY	PROGESTERONE	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS 8000
ENDOCRINOLOGY	PROLACTIN	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS 8000
COAGULATION	ANTICOAGULANT PROTEIN C - FUNCTIONAL	Ospedale San Raffaele	Plasma		2 - 8 °C	5		Coagometric	STAR R
COAGULATION	ACTIVATED PROTEIN C RESISTANCE	Ospedale San Raffaele	Plasma		2 - 8 °C	6		Coagometric	STAR R
CLINICAL CHEMISTRY	HIGH SENSITIVE C-REACTIVE PROTEIN	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleica
CLINICAL CHEMISTRY	C-REACTIVE PROTEIN	Centro Cardiologico Monzino	Plasma		Room Temperature	1		Enzymatic	Aleica
COAGULATION	TOTAL PROTEIN S	Ospedale San Raffaele	Plasma		2 - 8 °C	5		Coagometric	STAR R
COAGULATION	FREE PROTEIN S	Ospedale San Raffaele	Plasma		2 - 8 °C	5		Turbidimetric	STAR R
CLINICAL CHEMISTRY	TOTAL SERUM PROTEINS	Centro Cardiologico Monzino	Plasma		Room Temperature	1		Enzymatic	Aleica
CLINICAL CHEMISTRY	24H URINARY PROTEINS	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		Enzymatic	Aleica
CLINICAL CHEMISTRY	URINE TOTAL PROTEIN	Centro Cardiologico Monzino	Urine		Room Temperature	1		Enzymatic	Aleica
PROTEINS	BENCE JONES PROTEINURIA	Ospedale San Raffaele	Urine		Room Temperature	5		Immunofixation in agarose gel	Hydrays
MICROBIOLOGY	QUANTIFERON	Centro Cardiologico Monzino	EDTA blood	This test is not performed on Saturday.	Room Temperature	3		Chemiluminescence	Liason XL
CLINICAL CHEMISTRY	COPPER	Ospedale San Raffaele	Serum		Room Temperature	8		ICP	ICP
TOXICOLOGY	SERTRALINE	ASST Fatebenefratelli Sacco	Plasma		Room Temperature	9		LC	LC
PROTEINS	FREE KAPPA LIGHT CHAINS IN SERUM	Ospedale San Raffaele	Serum		Room Temperature	6		Turbidimetric	OPTILITE
SEROLOGY	MONO TEST	Ospedale San Raffaele	Serum		Room Temperature	3		Agglutination	Manual processing method
ENDOCRINOLOGY	CLINO RENN	Ospedale San Raffaele	Plasma	Blood sample taken after 30 minutes in supine position.	2 - 8 °C	7		FEIA	Unicap 1000
ENDOCRINOLOGY	ORTHO RENN	Ospedale San Raffaele	Plasma		2 - 8 °C	7		FEIA	Unicap 1000
HEMATOLOGY	ERYTHROCYTE OSMOTIC FRAGILITY	Ospedale San Raffaele	EDTA blood		Room Temperature	2		FEIA	Unicap 1000
HEMATOLOGY	RETICULOCYTE COUNT	Centro Cardiologico Monzino	EDTA blood		Room Temperature	1		SYSTEM XN	SYSTEM XN
VIROLOGY	H1N1 GENOME DETECTION	Ospedale San Raffaele	Swab		Room Temperature	5		PCR real time	FLOW INGENIUS
VIROLOGY	ROTA VIRUS DETECTION IN STOOL	Ospedale San Raffaele	Stool	Refer to the operational instructions in the document "Stool Collection Methods"	Room Temperature	2		Immunochromatographic	Manual processing method
MICROBIOLOGY	SCOTCH TEST: OXYURE MICROSCOPIC EXAMINATION	Centro Cardiologico Monzino		Refer to the operational instructions in the document "Scotch test Method"	Room Temperature	1		Optical microscopic investigation	Manual processing method
CLINICAL CHEMISTRY	SELENIUM	Ospedale San Raffaele	Serum		Room Temperature	19		ICP	ICP
TOXICOLOGY	TACROLIMUS (FK-506)	Istituto Europeo di Oncologia	EDTA blood		Room Temperature	4		ECLIA	Atmy
ENDOCRINOLOGY	SEX HORMONE BINDING GLOBULIN (SHBG)	Ospedale San Raffaele	Serum		Room Temperature	5		ECLIA	COBAS C 8000
CLINICAL CHEMISTRY	IRON	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
CLINICAL CHEMISTRY	SERUM SODIUM	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
CLINICAL CHEMISTRY	URINARY SODIUM	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		ECLIA	Aleica
ENDOCRINOLOGY	SOMATOMEDIN C (OR INSULIN-LIKE GROWTH FACTOR I)	Ospedale San Raffaele	Serum		Room Temperature	5		Chemiluminescence	Immulyte 2000
TOXICOLOGY	THEOPHYLLINE	ASST Fatebenefratelli Sacco	Serum	This test is not performed on Saturday.	Room Temperature	2	Only for hospitalized patients		Vitek 2
MICROBIOLOGY	NASALPHARYNGEAL SWAB	Centro Cardiologico Monzino	Swab		Room Temperature	3		Vitek 2	Vitek 2
COAGULATION	PROTHROMBIN ACTIVITY	Centro Cardiologico Monzino	Plasma		Room Temperature	1		ACL TOP	ACL TOP
COAGULATION	THROMBIN TIME	Ospedale San Raffaele	Plasma		2 - 8 °C	2		Coagometric	STAR R
COAGULATION	ACTIVATED PARTIAL THROMBOPLASTIN TIME	Centro Cardiologico Monzino	Plasma		Room Temperature	1		ACL TOP	ACL TOP
TOXICOLOGY	URINARY ZINC	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	8		ICP	ICP
CLINICAL CHEMISTRY	PREGNANCY IMMUNOLOGICAL TEST	Centro Cardiologico Monzino	Urine		Room Temperature	1		Immunochromatographic	Manual processing method
ENDOCRINOLOGY	TOTAL TESTOSTERONE	Ospedale San Raffaele	Serum		Room Temperature	3		ECLIA	COBAS C 8000
ENDOCRINOLOGY	FREE TESTOSTERONE	Ospedale San Raffaele	Serum		Room Temperature	7		ECLIA	COBAS C 8000
ENDOCRINOLOGY	THYROXIN BINDING GLOBULIN	Ospedale San Raffaele	Serum		Room Temperature	21		Chemiluminescence	Immulyte 2000
ENDOCRINOLOGY	THYROGLOBULIN	Ospedale San Raffaele	Serum		2 - 8 °C	3		Chemiluminescence	Liason XL
ENDOCRINOLOGY	THYROXINE (T4)	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
SEROLOGY	QUANTITATIVE VDRL	Ospedale San Raffaele	Serum		Room Temperature	1		Agglutination	GRALIS 2000
VIROLOGY	TOXOPLASMA GONDI DNA - QUALITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	12		PCR real time	FLOW
TUMOR MARKERS	TISSUE POLYPEPTIDE ANTIGEN	Ospedale San Raffaele	Serum		Room Temperature	5		Chemiluminescence	Liason XL
SEROLOGY	TREPONEMA PALLIDUM HEMAGGLUTINATION ASSAY (TPHA)	Centro Cardiologico Monzino	Serum		Room Temperature	2		Agglutination	Manual processing method
CLINICAL CHEMISTRY	ASPARTATE AMINOTRANSFERASE (AST)	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleica
CLINICAL CHEMISTRY	ALANINE AMINOTRANSFERASE (ALT)	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleica
CLINICAL CHEMISTRY	TRANSFERRIN	Centro Cardiologico Monzino	Serum		Room Temperature	2		ECLIA	Aleica
CLINICAL CHEMISTRY	CARBOHYDRATE-DEFICIENT TRANSFERRIN	Ospedale San Raffaele	Serum		Room Temperature	6		HPLC	HPLC
CLINICAL CHEMISTRY	TRIGLYCERIDES	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleica
CLINICAL CHEMISTRY	HIGH SENSITIVITY TROPONIN I	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
ENDOCRINOLOGY	THYROTROPIN HORMONE (TSH)	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleica
TUMOR MARKERS	TUMOR NECROSIS FACTOR	Ospedale San Raffaele	Serum		2 - 8 °C	13		ELISA	DSX
CLINICAL CHEMISTRY	SERUM URIC ACID	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleica
CLINICAL CHEMISTRY	UREA BREATH TEST	Ospedale San Raffaele	Dedicated set	Refer to the operational instructions in the document "Urea Breath Test"	Room Temperature	9		Mass spectrometry	GC
CLINICAL CHEMISTRY	URINARY URIC ACID	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		Enzymatic	Aleica

ANALYTICAL SECTOR	ANALYSIS	LABORATORY TEST CENTRE	SAMPLE	NOTE FOR PATIENTS	SAMPLE CONDITIONS OF CARRIAGE	RESPONSE TIME (DAYS)	SERVICES AVAILABLE ONLY FOR HOSPITALIZED PATIENTS	ANALYTICAL METHOD	INSTRUMENTATION
CLINICAL CHEMISTRY	SERUM UREA	Centro Cardiologico Monzino	Serum		Room Temperature	1		Enzymatic	Aleka
CLINICAL CHEMISTRY	URINARY UREA	Centro Cardiologico Monzino	Urine 24h	Refer to the operational instructions "Collection of urine in 24h"	Room Temperature	1		Enzymatic	Aleka
MICROBIOLOGY	CHLAMYDIA URINARY DETECTION	Ospedale San Raffaele	Urine		Room Temperature	5		PCR real time	COBAS 6800
MICROBIOLOGY	MYCOPLASMA URINARY DETECTION	Ospedale San Raffaele	Urine		Room Temperature	5		Cultural	Manual processing method
CLINICAL CHEMISTRY	URINARY CHEMICAL-PHYSICAL EXAMINATION	Centro Cardiologico Monzino	Urine		Room Temperature	1		Dry chemistry	CLINTEK NOVUS
MICROBIOLOGY	MYCOBACTERIA DETECTION: CULTURE EXAMINATION	Ospedale San Raffaele	Urine	Refer to the operational instructions in the document "Urine Preparation and Collection Method for mycobacteria detection"	Room Temperature	42		Cultural	Manual processing method
MICROBIOLOGY	MYCOBACTERIA DETECTION: URINARY MICROSCOPIC EXAMINATION	Ospedale San Raffaele	Urine		Room Temperature	3		Fluorescence microscopy	Manual processing method
MICROBIOLOGY	URINE CULTURE	Centro Cardiologico Monzino	Urine	Refer to the operational instructions in the document "Urine Preparation and Collection Method for urinculture"	Room Temperature	3		Cultural	Manual processing method
CLINICAL CHEMISTRY	URINARY PORPHYRINS	Ospedale San Raffaele	Urine 24h	Refer to the operational instructions "24-hour Urine for urinary porphyrins quantification"	Room Temperature	11		Coagabometric	spectrophotometer
HEMATOLOGY	ERYTHROCYTE SEDIMENTATION RATE (ESR)	Centro Cardiologico Monzino	EDTA blood		Room Temperature	1		VES MATIC	VES MATIC
TOXICOLOGY	VALPROIC ACID	Ospedale San Raffaele	Serum		Room Temperature	3		Immunochemic	COBAS C 8000
TOXICOLOGY	VANCOMYCIN (CONTINUOUS INFUSION)	Centro Cardiologico Monzino	Serum		Room Temperature	2	Only for hospitalized patients	ECLIA	Aleka
TOXICOLOGY	VANCOMYCIN (PEAK)	Centro Cardiologico Monzino	Serum		Room Temperature	2	Only for hospitalized patients	ECLIA	Aleka
VIROLOGY	VARICELLA ZOSTER DNA - QUANTITATIVE ANALYSIS	Ospedale San Raffaele	Plasma		2 - 8 °C	11		PCR real time	FLOW
SEROLOGY	VDRL (VENEREAL DISEASE RESEARCH LABORATORY)	Ospedale San Raffaele	Serum		Room Temperature	1		Agglutination	GRALIS 2000
SEROLOGY	WAALER-ROSE TEST	Ospedale San Raffaele	Serum		Room Temperature	4		FEIA	Unicap 1000
VIROLOGY	RSV - QUALITATIVE ANALYSIS	Ospedale San Raffaele	Swab/thro pharyngeal aspirate		Room Temperature	4	Only for hospitalized patients		
CLINICAL CHEMISTRY	VITAMIN A	Ospedale San Raffaele	Serum		2 - 8 °C	9		HPLC	HPLC
VITAMINE	VITAMIN B12	Centro Cardiologico Monzino	Serum		Protect the sample from light using an aluminum foil. Room Temperature.	1		ECLIA	Aleka
VITAMINE	VITAMINA B6	Ospedale San Raffaele	Plasma		2 - 8 °C	26		Mass spectrometry	TQXS WATERS
CLINICAL CHEMISTRY	VITAMIN D	Centro Cardiologico Monzino	Serum		Room Temperature	1		ECLIA	Aleka
CLINICAL CHEMISTRY	VITAMIN E	Ospedale San Raffaele	Serum		2 - 8 °C	10		HPLC	HPLC
SEROLOGY	WIDAL WRIGHT	Ospedale San Raffaele	Serum		Room Temperature	5		Agglutination	ALITODAT
TOXICOLOGY	VANCOMYCIN (VALLEY)	Centro Cardiologico Monzino	Serum		Room Temperature	2	Only for hospitalized patients	ECLIA	Aleka
TOXICOLOGY	ZINC	Ospedale San Raffaele	Serum		Room Temperature	8		ICP	ICP
MICROBIOLOGY	BLOOD CULTURE FOR AEROBIC MICROORGANISMS - RIGHT ARM	Centro Cardiologico Monzino	Blood		Room Temperature	6		Vitek 2	Vitek2
MICROBIOLOGY	BLOOD CULTURE FOR AEROBIC MICROORGANISMS - LEFT ARM	Centro Cardiologico Monzino	Blood		Room Temperature	6		Vitek 2	Vitek2
MICROBIOLOGY	BLOOD CULTURE FOR ANAEROBIC MICROORGANISMS - RIGHT ARM	Centro Cardiologico Monzino	Blood		Room Temperature	6		Vitek 2	Vitek2
MICROBIOLOGY	BLOOD CULTURE FOR ANAEROBIC MICROORGANISMS - LEFT ARM	Centro Cardiologico Monzino	Blood		Room Temperature	6		Vitek 2	Vitek2