

SENDAWAYS TEST CATALOGUE

In this test catalogue, you will find details on performed tests as well as further information to facilitate easier sample collection and storage. Data and texts concerning itemized parameters were collected from data systems of the International Synlab Parameters index site, and combined. In some cases the reader is referred to consult the laboratory in which case they are to call any of our hotlines.

For clarifications on any tests or for assistance, please call **0501682734**.

Even though the complete overview might seem comprehensive, we do not claim to have created a digital textbook. We gain our expert knowledge from specialist literature for laboratory physicians and other medical disciplines, ensuring we are up to date on all topics regarding laboratory medicine.

Our aim is to help you, as effectively as it is possible for us, to find the right diagnosis.

All content of this parameter index is intended solely for information purposes and does in no way substitute any professional consultation or treatment through qualified and recognized physicians.

The contents of our parameter index may not and cannot be used when issuing own diagnoses and when choosing and performing treatment regimes. The medical care units urge all users with health problems always to consult a physician if necessary.

For more details on clinical indication and evaluation, advice on patient preparation (if necessary), methods used and all reference intervals please visit our international parameters site: <https://www.synlab.de/lab-tests/lab-tests/international-parameter-index>

The content presented is of informative character only and does not claim to be complete.

Accreditation Quality Management

Synlab operates rigorous Internal Quality Control (IQS) and External Quality Assessment (EQA) schemes.

All labs are accredited to relevant national standards, including DIN EN ISO/IEC 17025, DIN EN ISO/IEC 17020 and DIN EN ISO/IEC 15189 (DAkkS, Deutsche Akkreditierungsstelle).

Source: Synlab Parameters Index, Synlab MVZ Leinfelden, 2016/2017 edition. Version 1.0/1617

Please note that shipping of samples is done once a week on Mondays.

Samples for genetic analysis must be drawn on Mondays or closer to the day of shipment to ensure samples do not stay too long in transit. It is advised to always consult the lab prior to sampling

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
ACE	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Acetylcholine receptor abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
ANA Screening IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Anti CCP	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Anti-ds-DNA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Antithrombin III (AT3)	Frozen Citrate Plasma	3ml	10-15 working days	Separate plasma immediately. Avoid haemolysed and lipaemic samples. Ensure sample volume of whole blood reaches the mark on the tube. This will allow adequate mixing of citrate with whole blood.	3hrs	8hrs	1 month
Acetylcholinesterase in Amniotic Fluid	Amniotic Fluid	1 – 5ml	10-15 working days	Avoid contaminated samples. Plain sterile containers without additives should be used for sample collection.	2 weeks	4 months	3 years

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Adrenocorticotrophic Hormone (ACTH)	Frozen EDTA Plasma	3ml	10-15 working days	Withdrawal in morning (diurnal rhythm), store and dispatch frozen! Avoid haemolysed or lipaemic samples. Blood collection should be done in the morning due to fluctuations of the ACTH level during the day.	3hrs	8hrs	1 week
Adenosine Deaminase (puncture) <i>*not accredited</i>	Body fluid	1 – 5ml	10-15 working days	Sterile containers without additives should be used for sample collection.	8hrs	1 week	1 month
Adenosine Deaminase (serum)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Adrenal Cortex Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Aldolase	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples.	24hrs	1 week	1 month
Aldosterone	Serum or Frozen EDTA plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Aldosterone/Renin Ratio	Frozen EDTA Plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	4hrs	1 month
Allergy Screen (<i>Specific IgE</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Specialised test request form available. Please consult the lab	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Alpha-1 Antitrypsin Ab in serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Alpha-1 Antitrypsin Ab in stool	Stool	Palmtree size	10-15 working days	Sterile containers without additives should be used for sample collection.	24hrs	1 week	1 month
Alpha-1-Glycoprotein	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Amino acids screen in plasma/serum <i>(Test can also be performed in urine and CSF)</i>	Frozen Serum or EDTA plasma	3ml	15 – 20 working days	For the determination of amino acids always freshly withdrawn serum or EDTA-plasma sample taken 4 hours after the last meal is used (immediately centrifuged and frozen) in order to minimize artificial, preanalytically induced changes. Avoid haemolysed and lipaemic samples. Use sterile leak-proof containers for Urine and CSF samples. Keep frozen!	Unacceptable	48hrs	1 month
Ammonia	Frozen EDTA Plasma	3ml	10-15 working days	After withdrawal directly centrifuge and freeze. Non-frozen samples reveal falsely increased results, especially with high activity of gamma-GT. Unacceptable conditions: serum or blood, non-frozen specimens, specimens containing oxalate or citrate. Separate specimens must be submitted if multiple tests are ordered. Please contact the lab before sample withdrawal to avoid possible sample rejection. Also avoid haemolysed and lipaemic samples	Unacceptable	2hrs	3 weeks

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Amoeba IgG Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Amphetamines in serum <i>(Screened will be: amphetamine, methamphetamine, MDMA (Ecstasy), MDDDB, MDA, MDE and others)</i>	Serum	3ml	10-15 working days	In serum max. detection period is 6 hours. For clarifying abuse we recommend screening in urine. Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Amyloid A in serum	Serum	10ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Amylase in puncture <i>(not accredited)</i>	Body Fluid	10ml	10-15 working days	Use sterile, leak-proof and additive-free containers for Urine and CSF samples.	24hrs	1 week	1 month
Androstenedione	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Annexin V IgG-abs <i>(Also, part of antiphospholipid panel)</i>	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Antiphospholipid Syndrome Primary Screen <i>(Cardiolipin IgG/M/A, Beta-2-Glycoprotein IgG/M/A)</i>	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Antiphospholipid Syndrome Secondary Screen detected will be: (<i>Phosphatidylcholin IgG/M abs, Phosphidylethanolamin IgG/M abs, Phosphatidylglycerol IgG/M abs, Phosphatidylinositol IgG/M abs, Phosphatidylserin IgG/M abs</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Anti-Platelet Ab (free)	Serum and EDTA whole blood	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Also avoid blood clots in whole blood sample.	24hrs	1 week	1 month
Anti-Platelet Ab (linked)	Serum and EDTA whole blood	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Also avoid blood clots in whole blood sample.	24hrs	1 week	1 month
Anti-Streptolysin-O titre	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Apolipoprotein A1	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Apolipoprotein A2	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Apolipoprotein B	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Aquaporin 4 Abs (<i>Neuromyelitis optica</i>)	Serum or CSF	3ml serum or 1ml CSF	10-15 working days	Avoid haemolysed and lipaemic samples. For CSF samples, use sterile, leak-proof and additive-free containers.	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Arsenic levels	Urine or Serum	10ml urine or 3ml serum	10-15 working days	Avoid haemolysed and lipaemic samples. If there is Suspicion of intoxication, urine samples are better for screening than serum	24hrs	1 week	1 month
Arylsulfatase A in urine	Frozen 24hr Urine sample	10ml of 24hr urine. Indicate urine volume.	10-15 working days	Sample material: 2 x 10 mL 24h collection urine (two separate tubes); Keep the urine refrigerated during collection period and freeze urine for storage and dispatch.	24hrs	1 week	1 month
Arylsulfatase A in serum	Serum	5ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Aspergillus fumigatus Abs	Serum	5ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Barbiturates	Serum or Random Urine	3ml serum or 10ml urine	15-20 working days	Avoid haemolysed and lipaemic samples. Use sterile, leak-proof and additive-free containers for urine collection.	24hrs	1 week	1 month
Bilharzia antibodies (<i>Please see Schistosoma Abs</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Bilharzia PCR (<i>Please see Schistosoma PCR</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
BCR-ABL Mutation	PAX GENE Tubes (2*2.5ml)	PAX GENE Tubes (2*2.5ml)	15-20 working days	Stability of PAX GENE tubes filled with blood is 4-5 days. Please consult the lab for availability of PAX GENE tubes	4-5 days	4-5 days	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Benzodiazepine	Serum or urine	3ml serum or 10ml urine	15-20 working days	Avoid haemolysed and lipaemic samples. Use sterile, leak-proof and additive-free containers for urine collection.	24hrs	1 week	1 month
Beta-2-Glycoprotein Abs Screen	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Beta-2-microglobulin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Beta-2-transferrin (Liquorrhoe) <i>Sensitive test for liquorrhoe, additional serum sample necessary</i>	Serum and Secretion	3ml serum and 1ml secretion	10-15 working days	Avoid haemolysed and lipaemic samples. Use sterile, leak-proof and additive-free containers for secretion collection.	Unknown	2 days	1 month
Body fluid cytology	Body fluid <i>(Please indicate site of aspiration)</i>	5ml	10-15 working days	Use sterile, leak-proof and additive-free containers for secretion collection. Fix sample in equal amount of conc ethanol.	24hrs	1 week	Unacceptable
Borrelia IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Borrelia IgG blot	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Borrelia IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Borrelia IgM blot	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
BRCA-plus <i>(Special request form needed)</i>	EDTA whole blood	Two tubes, EDTA whole blood	15-20 working days	Specialised form available in the lab. Please call to book appointment for sampling. Due to short sample stability, sampling and shipping are done on the same day.	48hrs	1 week	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Brucella IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Brucella IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Brucella PCR	EDTA whole blood	5ml	10-15 working days	Avoid blood clots when sampling.	24hrs	1 week	Unacceptable
C peptide	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	24hrs	1 month
Ca 153	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Ca 19-9	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Ca 72-4	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Cadmium	Li-heparin blood/stool/urine	3ml blood 10ml urine Palmnut size stool	10-15 working days	Avoid clotted blood specimen.	24hrs	2 weeks	1 month. However, Li-Heparin samples Unacceptable
Ceruloplasmin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	3days	1 month
Calcitonin	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	24hrs	1 month
C-ANCA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Campylobacter jejuni IgA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Campylobacter jejuni IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
CALR gene mutation (Calreticulin)	EDTA whole blood in EDTA monovette tubes.	5ml	15 - 20 working days	For calreticulin diagnostics, 2 ml EDTA blood in commercially available monovettes are required. Sample stability: 7 days. Transport at room temperature. Please consult the lab for monovette tubes. Signed informed consent is necessary.	7 days	Do not refrigerate	Unacceptable
Carbamazepine	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Cardiolipin Abs Screen	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Cannabis in Urine (confirmatory test)	Urine, Random	3ml	10-15 working days	Urine production must be done under supervision. Otherwise, available sample in the lab that has been tested for drugs of abuse screen can be used for confirmatory testing if enough sample still remains. Please fill out chain of custody form.	24hrs	1 week	1 month
Carnitine	Serum/24hr non-acidified Urine	10ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Catecholamines in Urine	24hr acidified urine	10ml acidified urine	10-15 working days	Pre-acidified gallons available in the lab for 24hr collection. Non-acidified urine samples cannot be used.	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Catecholamines in EDTA Plasma	Frozen EDTA plasma	Frozen EDTA plasma	10-15 working days	For plasma samples, avoid haemolysis. Patient should be calm and supine for 20 minutes prior to collection. Dispatch frozen EDTA plasma!	Unacceptable for EDTA plasma samples.	24hrs for EDTA plasma samples.	1 month
Cholinesterase	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Chromogranin A	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Withdraw soberly or after 12 hours of fasting.	Unacceptable	24hrs	6 months
Chikungunya virus IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	2 weeks	1 month
Chikungunya virus IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	2 weeks	1 month
Chlamydia pneumonia PCR	Dry respiratory swab or Bronchoalveolar lavage (BAL). Other respiratory samples such as sputum are also acceptable.	2 dry swab sticks. 3ml BAL.	10-15 working days	Please use sterile tubes for sample collection. Swab sticks with transport medium Unacceptable.	24hrs	2 weeks	Do not freeze.
Chlamydia trachomatis IgA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Chlamydia trachomatis IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Chlamydia trachomatis IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Chromium levels	Serum or Random urine sample	3ml serum or 10ml urine	10-15 working days	Avoid haemolysed and lipaemic samples. Please use sterile urine container for collection	24hrs	1 week	1 month
Collagen Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples.	24hrs	1 week	1 month
Cortisol	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Chromosomal Analysis in peripheral blood (karyotyping)	Li-Heparin Blood	3-5ml	15-20 working days	Avoid clotted samples. Patient consent form must be signed when presenting samples. Please enquire from the lab. Store or dispatch cool or at ambient temperature, Do not freeze! Please call to book appointment for sampling. Due to short sample stability, sampling and shipping are done on the same day. Please CONSULT THE LAB	1 week	1 week	Unacceptable
Chromosomal analysis in amniotic fluid	Amniotic fluid + maternal EDTA blood	20ml amniotic fluid + 5ml maternal EDTA blood	15-20 working days	Patient consent form must be signed when presenting samples. Please enquire from the lab. Store or dispatch cool or at ambient temperature, Do not freeze! Please call to book appointment for sampling. Due to short sample stability, sampling and shipping are done on the same day. Also it is very useful to receive the ultrasound report. Please CONSULT THE LAB	4-5 days	4-5 days	Unacceptable
Chromosomal analysis in product of conception	Product of conception in sterile isotonic solution +	1 cm x 1cm x1 cm of fetal biopsy of 1cm of umbilical	15-20 working days	Patient consent form must be signed when presenting samples. Please enquire from the lab. Store or	4-5 days	4-5 days	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
	maternal EDTA blood	cord or heel + 5ml of EDTA blood		dispatch cool or at ambient temperature, Do not freeze! Please call to book appointment for sampling. Due to short sample stability, sampling and shipping are done on the same day. Also it is very useful to receive the ultrasound report. Please CONSULT THE LAB			
Clostridium difficile toxin in stool	Stool sample	Palm nut sized stool	10-15 working days	Use sterile containers for stool collection.	2hrs	3 days	1 week
CMV IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
CMV IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Cocaine in urine (confirmatory test)	Random Urine	10ml	10-15 working days	Urine production must be done under supervision. Otherwise, available sample in the lab that has been tested for drugs of abuse screen can be used for confirmatory testing if enough sample still remains. Please fill out chain of custody form.	24hrs	2 weeks	1 month
Cocaine metabolites in serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Codeine in serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. In serum detectability maximal is 24hrs, after consumption. To verify an abuse, the detection in urine is recommended.	24hrs	24hrs	24hrs

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Complement 2	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Complement 3	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Complement 4	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Copper	Serum / 24hr Urine	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Don't use tube including gel. Urine collection gallons available in the lab. Please indicate urine volume.	24hrs	2 weeks	1 year
Corticosteroid binding globulin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Cortisol	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Cotinine in Serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
CRP high sensitive	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Cryptococcus Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Cyclosporin A levels	EDTA whole blood	4ml	10-15 working days	Avoid clotted sample	8hrs	1 week	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Cystatin C	Serum	3ml	10-15 working days	Avoid clotted sample	8hrs	1 week	1 month
Cysticercosis Abs Blot	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Cystine in Urine	Frozen acidified 24hr urine	10ml	10-15 working days	Please indicate urine volume. Pre-acidified urine gallon available at the lab	8hrs	24hrs	1 month
Deamidated Gliadinpeptid-IgA abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Deamidated Gliadinpeptid-IgG abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Dengue fever IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Dengue fever IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
DHEA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
DHEA-SO4	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Dihydrocodeine	Random Urine	10ml	10-15 working days	Use sterile container for urine collection	8hrs	1 week	1 month
Dihydrotestosterone (DHT)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
DNA-Fragmentation index with sperm count in Semen	Semen	1ml	10-15 working days	Please follow proper semen sampling protocol. Sample must be delivered to the lab within 1hr and frozen immediately.	1hr	1hr	
EBV VCA IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
EBV VCA IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Echinococcus Abs screening	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Erythropoietin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Ethanol in blood	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Echinococcus granulosus IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Echinococcus multicularis IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
ENA Panel	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Endomysial IgA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Endomysial IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Entamoeba histolytica DNA	Stool or aspirate	Palmnut sized stool sample. 10 ml aspirate	15-20 working days	Use sterile container for sample collection.	24hrs	1 week	Unacceptable
Estriol (E3)	Serum	3ml	10-15 working days	Due to a circadian rhythm a blood withdrawal is only recommended in the morning time. Also, avoid haemolysed and lipaemic samples.	8hrs	1 week	1 month
Factor II Prothrombin mutation, genetic test (20210)	EDTA blood	4ml	15-20 working days	Avoid clotted sample. Signed informed consent necessary. Please consult the lab.	24hrs	1 week	Unacceptable
Factor IX	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure blood reaches the mark of the citrate tube before spinning. Separate sample as soon as possible and store at cool or frozen temperatures. Indicate sample type if a plain tube is used in collecting plasma sample.	4hrs	8hrs	2 weeks
Factor V	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure blood reaches the mark of the citrate tube before spinning. Separate sample as soon as possible and store at cool or frozen temperatures. Indicate sample type if a plain tube is used in collecting plasma sample.	4hrs	8hrs	2 weeks
Factor V Leiden mutation	EDTA whole blood	4ml	15-20 working days	Avoid clotted sample. Signed informed consent necessary. Please consult the lab.	3 days	1 week	Unacceptable
Factor VII	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure blood reaches the mark of the citrate tube before spinning. Separate sample as soon as possible and store at cool or frozen temperatures. Indicate	4hrs	8hrs	2 weeks

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
				sample type if a plain tube is used in collecting plasma sample.			
Factor VIII	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure blood reaches the mark of the citrate tube before spinning. Separate sample as soon as possible and store at cool or frozen temperatures. Indicate sample type if a plain tube is used in collecting plasma sample.	4hrs	8hrs	2 weeks
Factor X	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure blood reaches the mark of the citrate tube before spinning. Separate sample as soon as possible and store at cool or frozen temperatures. Indicate sample type if a plain tube is used in collecting plasma sample.	4hrs	8hrs	2 weeks
Factor XIII (<i>Fibrinase</i>)	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure blood reaches the mark of the citrate tube before spinning. Separate sample as soon as possible and store at cool or frozen temperatures. Indicate sample type if a plain tube is used in collecting plasma sample.	4hrs	8hrs	2 weeks
Fibrinogen	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure blood reaches the mark of the citrate tube before spinning. Separate sample as soon as possible and store at cool or frozen temperatures. Indicate sample type if a plain tube is used in collecting plasma sample.	4hrs	8hrs	2 weeks

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Filaria Abs screen (Screening for <i>Brugia spp.</i> , <i>Dirofilaria spp.</i> , <i>Loa loa</i> , <i>Mansonella spp.</i> , <i>Onchocerca volvulus</i> , <i>Onchocerca lupi</i> , <i>Wuchereria bancrofti</i>)	Serum	4ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
First Trimester Screen (Parameter: Free β -hCG + PAPP-A) Serum drawn: 11+0 - 13+6 weeks of gestation, CRL: 45-79mm Special request form necessary!)	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Please complete specialized request form with adequate information about the pregnancy. Failure to do so will result in inability to calculate the risk of pregnancy.	8hrs	24hrs	1 month
Folic Acid (Folate)	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Folic acid is only 8 h stabil at room temperature! Withdrawal fasting and freeze directly, dispatch serum frozen and in light-protected vial. Haemolysis effects measurement, falsely increased levels.	8hrs	24hrs	1 month
Free PSA (panel)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	3 days	1 month
Free Testosterone	Frozen serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Please freeze sample as soon as possible.	4hrs	24hrs	1 month
Fructosamine	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	2 weeks	1 month
Galactose-1-Phospho-Uridyl-Transferase	EDTA whole blood	4ml	10-15 working days	Avoid clotted sample.	24hrs	1 week	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Gastrin	Frozen Serum	3ml	10-15 working days	Blood collection should be fasting in the morning (~ 12 h after last meal). Stop taking proton pump inhibitors one week before sample collection and antihistamines, antacids and anticholinergics 24 hours before withdrawal. Also do not drink coffee 24 hours prior of collection. Centrifuge blood immediately after clotting, separate the serum and freeze (approx. - 20° C).	Unacceptable	4hrs	1 month
Glomerular Basement Membrane Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Glutamate Decarboxylase Abs (GAD) <i>Diabetes mellitus type 1, Stiff-man syndrome</i>	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Growth Hormone	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Centrifuge blood immediately after clotting, separate the serum and freeze (approx. - 20° C).	Unacceptable	<8hrs	1 month
H. pylori IgA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
H. pylori IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Haptoglobin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Hemolytic Epididymis protein 4 (HE4)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Hepatitis A (HAV) Abs screen <i>IgG + IgM combi test</i>	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Hepatitis A (HAV) IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HAV post vaccination Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HBsAg Quantification	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HCV RNA Subtyping	Frozen EDTA Plasma	3ml	15-20 working days	Separate plasma from whole blood as soon as possible. Avoid haemolysed and lipaemic samples	24hrs	3 days	1 month
Heavy metal in urine panel (<i>Screening for Aluminium, Arsenic, Boron, Bismuth, Cadmium, Cobalt, Copper, Gold, Indium, Lead, Mercury, Molybdenum, Nickel, Palladium, Platinum, Silver, Thallium, Tin, Uranium, Zinc</i>)	Random Urine	10ml	10-15 working days	Please use sterile urine containers	24hrs	2 weeks	1 month
Hepatitis D Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Hepatitis E IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Hepatitis E IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Hepatitis E PCR	Frozen Serum	3ml	15-20 working days	Avoid haemolysed and lipaemic samples.	8hrs	24hrs	1 month
HHV Type-6 IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HHV Type-6 IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HHV Type-7 IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HHV Type-7 IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HIV 1-RNA genotyping + resistance (<i>Super sensitive assay, store and dispatch frozen</i>)	Frozen EDTA plasma	3ml	15-20 working days	Avoid haemolysed and lipaemic samples	DO not store at room temperature	24hrs	1 month
HIV Western Blot	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HIV-2 viral load	Frozen EDTA Plasma	3ml	10-15 working days	Separate Plasma from whole blood within 6hrs. Avoid haemolysed and lipaemic samples	DO not store at room temperature	24hrs	6 weeks
HLA A alleles	EDTA whole blood	3-5ml	10-15 working days	Avoid clotted samples. Specialized Patient consent form must be signed when presenting samples. Please inquire from the lab	8hrs	1 week	Unacceptable
HLA B alleles	EDTA whole blood	3-5ml	10-15 working days	Avoid clotted samples. Specialized Patient consent form must be signed	8hrs	1 week	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
				when presenting samples. Please inquire from the lab			
HLA B27	EDTA whole blood	3ml	10-15 working days	Avoid clotted samples. Specialized Patient consent form must be signed when presenting samples. Please inquire from the lab	8hrs	1 week	Unacceptable
HLA Cw alleles	EDTA whole blood	3-5ml	15-20 working days	Avoid clotted samples. Specialized Patient consent form must be signed when presenting samples. Please inquire from the lab	8hrs	1 week	Unacceptable
HLA DQ alleles	EDTA whole blood	3-5ml	15-20 working days	Avoid clotted samples. Specialized Patient consent form must be signed when presenting samples. Please inquire from the lab	8hrs	1 week	Unacceptable
HLA DR alleles	EDTA whole blood	3-5ml	15-20 working days	Avoid clotted samples. Specialized Patient consent form must be signed when presenting samples. Please inquire from the lab	8hrs	1 week	Unacceptable
Homocysteine	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HSV 1&2 IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HSV 1&2 IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HSV 2 IgG (confirmatory)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
HSV PCR	Dry cotton swab	2 swab sticks	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Human Placenta Lactogen	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Human T-lymphotrophic virus 1&2 Abs(HTLV I/II Abs)	Serum	3ml	15-20 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Ibuprofen	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
IgA total	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
IgE total	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
IgG total	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
IgM total	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Immunoglobulin G subclasses	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Inhibin A	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Inhibin B	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	Do not store at room temperature	24hrs	1 month
Insulin Autoantibodies <i>autoantibodies against insulin (endogenic and exogenic)</i>	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Insulin IgG <i>antibodies against therapeutic insulin</i>	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Interleukin 6	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	Unacceptable	24hrs	1 year
Intrinsic Factor	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Iodine	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Islet cell Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Jak-2 V617F Mutation	EDTA whole blood	4ml	15-20 working days	Avoid clotted sample. Signed informed consent necessary. Please consult the lab.	24hrs	1 week	Unacceptable
Jak-2 exon-12 mutation	EDTA whole blood	4ml	15-20 working days	Avoid clotted sample. Signed informed consent necessary. Please consult the lab.	24hrs	1 week	Unacceptable
Kidney stone analysis	Kidney/Urethral stone	N/A	10-15 working days	Use sterile container for sample collection	N/A	N/A	N/A
Lactoferrin in stool	Frozen Stool	Palm nut size stool sample	10-15 working days	Use sterile container for sample collection	Unacceptable	24hrs	2 months
Lamotrigine	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Lead in Blood	Li-Heparin whole blood	4ml	10-15 working days	Avoid clotted sample.	24hrs	1 month	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Legionella PCR	Random urine	10ml	10-15 working days	Use sterile container for sample collection	8hrs	1 week	1 month
Leptin	Frozen serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	24hrs	2 months
Leptospira IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Leptospira IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Levetiracetam (Keppra)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Lipase	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Lipid Electrophoresis <i>(Please note, sampling must be done on Mondays or the first day of the work week)</i>	Serum (Please do not freeze)	3ml	10-15 working days	<ul style="list-style-type: none"> * It is recommended to use fresh serum samples. * If possible, samples from patients who have been fasting for at least 12 hours should be used. * The samples should be stored in the cool condition (2-8 ° C) as soon as possible after withdrawal. * During storage, pre-beta lipoprotein (VLDL) mobility is reduced, resulting in an underestimation of the corresponding fraction. * Avoid haemolysed and lipaemic samples * Do not use heparin samples * Do not dilute samples * Do not freeze samples 	8hrs	3 days	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
				* Recommended sample stability: 3 days at 2-8 ° C. Do not freeze serum!			
Lipoprotein A	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	2 weeks	3 months
Liquid Based Cytology	Liquid based cytology sample (Thinprep, Surepath, etc)	N/A	10-15 working days	Avoid bloody specimen. Same sample can be used if HPV PCR is requested.	24hrs	1 week	1 month
Listeria Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 months
Lithium	Frozen serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	24hrs	6 months
Liver-kidney microsomal-1 Abs	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	48hrs	6 months
Lupus Anticoagulant	Frozen Citrate Plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Ensure sample volume of whole blood reaches the mark on the tube. This will allow adequate mixing of citrate with whole blood.	4hrs	24hrs	1 week
Magnesium in RBC	Li-Heparin whole blood	4ml	10-15 working days	Avoid clotted sample.	24hrs	1 week	Unacceptable
Malaria DNA PCR (Test scans for <i>M. falciparum</i> , <i>M. malariae</i> , <i>M. ovale</i> , <i>M. vivax</i> but does not indicate the exact species)	EDTA whole blood	4ml	15-20 working days	Avoid clotted sample.	24hrs	1 week	Unacceptable
Measles IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Measles IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Meningococcal IgG Ab	Serum	3ml	15-20 working days	Required material: 1. serum taken >4 weeks after vaccination. The analysis should not be performed before this period and makes no sense for non-vaccinated patients (the laboratory will therefore reject these samples). 2. the reference laboratory additionally requires a special request form with specific information on the vaccine used, the serogroups to be analyzed and the immunodeficiency. Please request this document in advance. Stability of the samples: Room temperature: 2 days, 2-8°C: 1 week and at -20°C: 3 years The antibiotic treatment of the patient can lead to an inhibition of the test assay and should therefore be avoided if possible	48hrs	1 week	3 years
Mercury in Blood	EDTA whole blood	4ml	10-15 working days	Avoid clotted sample.	24hrs	1 week	Unacceptable
Metanephrines (plasma)	Frozen EDTA plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	Unacceptable	12hrs	1 month
Metanephrines (urine)	24hr Acidified Urine	10ml	10-15 working days	Acidified gallons available in the lab. Please indicate urine volume when measured.	24hrs	1 week	1 month
Methadone in serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Methylenetetrahydrofolate reductase gene A1298C (MTHFR)	EDTA whole blood	4ml	15-20 working days	Avoid blood clots. Signed informed consent necessary! Please consult the lab.	24hrs	1 week	Unacceptable
Methylenetetrahydrofolate reductase gene C677T (MTHFR)	EDTA whole blood	4ml	15-20 working days	Avoid blood clots. Signed informed consent necessary! Please consult the lab.	24hrs	1 week	Unacceptable
Methylmalonic acid	Serum or Random urine	3ml Serum or 10ml Urine	10-15 working days	Avoid haemolysed and lipaemic samples. Please use sterile for urine collection.	8hrs	1 week	1 month
Morphine in urine (confirmatory test by GCMS)	Random Urine	10ml	10-15 working days	Urine production must be done under supervision. Otherwise, available sample in the lab that has been tested for drugs of abuse screen can be used for confirmatory testing if enough sample still remains.	24hr	2 weeks	2 months
Muscle Specific Receptor Tyrosinkinase Abs (MUSK-Myasthenia gravis (ACHA negative))	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Mumps IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Mumps IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Mycoplasma genitalium-DNA	Dry Urogenital Swab	2 dry cotton swab sticks	10-15 working days	Collection must be done with sterile dry cotton swab sticks. Avoid swab sticks with transport media.	4hrs	1 week	Do not freeze
Mycoplasma hominis-DNA	Dry Urogenital Swab	2 dry cotton swab sticks	10-15 working days	Collection must be done with sterile dry cotton swab sticks. Avoid swab sticks with transport media.	4hrs	1 week	Do not freeze

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Mycoplasma pneumonia IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Mycoplasma pneumonia IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Mycoplasma pneumonia IgA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Myoglobin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Myelin-oligodendrocyte glycoprotein IgG Abs(MOG)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Myositis Specific Ab	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
New Born Screen	Dry Blood Spot (DBS)	(DBS) Filter card	10-15 working days	Consult the lab for document on correct sample collection. DBS filter cards are also available for collection in the lab. Ensure that all fields are filled appropriately.	48hrs	1 week	Unacceptable
NeoBona Standard (<i>trisomy 13, 18, 21, sex chromosome anomalies, fetal sex</i>)	STRECK TUBE	1 STRECK tube	10 working days	Avoid clotted samples. Specialized Patient request form must be filled out completely and signed when presenting samples. Patients must be >10 weeks pregnant at the time of sampling. Due to short sample stability, sampling and shipping are done on the same day. Please consult the lab before sampling!	5 days	Unacceptable	Unacceptable
NeoBona Advanced (Genomewide) (<i>trisomy 13, 18, 21, sex chromosome anomalies, fetal sex and other autosomes</i>)	STRECK TUBE	1 STRECK tube	10 working days	Avoid clotted samples. Specialized Patient request form must be filled out completely and signed when presenting samples. Patients must	5 days	Unacceptable	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
				be >10 weeks pregnant at the time of sampling. Due to short sample stability, sampling and shipping are done on the same day. Please consult the lab before sampling!			
Oligoclonal Bands and IgG index (<i>Suspicion of Multiple Sclerosis</i>)	CSF and Serum	>1ml CSF + 3ml Serum	10-15 working days	Avoid haemolysed and lipaemic samples. CSF collection must be done in a sterile container.	8hrs	1 week	Unacceptable
Opiates in serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Organic Acids in Urine	Frozen random Urine	10ml	10-15 working days	Avoid bacterial contamination during collection period, freeze immediately. Do not thaw. Acidifying does not disturb test procedure.	Unacceptable	8hrs	1 month
Osmolality in urine	Urine	10ml	10-15 working days	Please use sterile for urine collection.	24hrs	1 week	1 month
Osmolality in serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Oxalic acid in urine	Acidified 24hr Urine	10ml	10-15 working days	Pre-acidified urine gallons available. Please consult the lab.	24hrs	1 week	1 month
Oxcarbazepine	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
p-ANCA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Pancreatic Amylase	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Pancreatic Stool Elastase	Frozen Stool	Palm nut size stool sample	10-15 working days	Use sterile container for sample collection	Unacceptable	24hrs	2 months
Pap Smear (conventional)	Pap Slide	N/A	10-15 working days	Fixed Pap Slide sample	3 months	N/A	N/A
Paracetamol	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Parvovirus B-19 IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Parvovirus B-19 IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Paternity test	Please consult the lab	Please consult the lab	15-20 working days	Please consult the lab	Please consult the lab	Please consult the lab	Please consult the lab
Pethidine in serum	Serum	3ml	10-15 working days	Please store and dispatch light-protected. Avoid haemolysed and lipaemic samples	8hrs	1 week	Unaccepted
Phenol in Urine	Random Urine	10ml	10-15 working days	Use sterile container for urine collection	8hrs	1 week	1 month
Phenytoin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylethanolamine-IgG abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylethanolamine-IgM abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Phosphatidylglycerol-IgG abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylglycerol-IgM abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylinositol IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylinositol-IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylserine IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylserine-IgA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Phosphatidylserine-IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Pre-albumin (not accredited test)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Parietal Cell Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Procalcitonin	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	4hrs	1 month
Pro-insulin (intact)	Frozen EDTA Plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	4hrs	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Protein C	Frozen Citrate Plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	4hrs	1 month
Protein Electrophoresis	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Protein S	Frozen Citrate Plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	4hrs	1 month
Prothrombin-IgG abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Prothrombin-IgM abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Pyrethroid Metabolite 1 (C12CA)	Random Urine	10ml	10-15 working days	Use sterile container for urine collection	8hrs	1 week	1 month
Pyrethroid Metabolite 2 (m-PBA)	Random Urine	10ml	10-15 working days	Use sterile container for urine collection	8hrs	1 week	1 month
Pyrethroid Metabolite 3 (Br2CA)	Random Urine	10ml	10-15 working days	Use sterile container for urine collection	8hrs	1 week	1 month
Pyrethroid metabolite 4 (4F3PBA)	Random Urine	10ml	10-15 working days	Use sterile container for urine collection	8hrs	1 week	1 month
Pyruvate Kinase	EDTA whole blood	4ml	10-15 working days	Avoid clotted blood specimen.	24hrs	1 weeks	Unacceptable
Quadruple Screen (Second trimester screen) (Parameter: AFP, β -hCG, free Estriol, Inhibin A)	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Please complete specialized request form with adequate information about the pregnancy. Failure to do so will	8hrs	24hrs	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
<i>Serum drawn: 14+0 - 18+6 weeks of gestation Special request form necessary!</i>				result in inability to calculate the risk of pregnancy.			
Reducing Substances in Urine	Random Urine	10ml	10-15 working days	Use sterile container for urine collection	8hrs	1 week	1 month
Renin	Frozen EDTA Plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	4hrs	1 month
Respiratory Pathogen Panel	Respiratoric sample (BAL, Sputum, aspirates, etc)	N/A	10-15 working days	Use sterile container for sample collection	8hrs	1 week	Do Not Freeze
Retinol Binding Protein	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Rubella IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Rubella IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Schistosoma (Bilharzia) PCR	Serum	4ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
<i>Schistosoma Abs (Adult+ Cercaria forms for S.mansonii/haematobium -IgG by EIA, S. mansonii abs by HA (5 tests)</i>	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Selenium	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Serotonin	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Serum bile acids	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Serum Free Light Chains (Kappa/lambda)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Serum osmolality	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Sex Hormone Binding Globulin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Sickle cell disease genetic testing	Amniotic Fluid + Maternal EDTA whole blood	10-15ml Amniotic fluid + 4ml maternal EDTA whole blood	10-15 working days	<p>Patient consent form must be signed when presenting samples. Please enquire from the lab. Store or dispatch cool or at ambient temperature, Do not freeze!</p> <p>Please call to book appointment for sampling. Due to short sample stability, sampling and shipping are done on the same day.</p> <p>Also it is very useful to receive the ultrasound report.</p> <p>Please CONSULT THE LAB</p>	4-5 days	4-5 days	Unacceptable
Sirolimus	EDTA whole blood	4ml	10-15 working days	Avoid clotted blood specimen.	24hrs	1 week	Unacceptable
Smooth Muscle Antibody	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Somatomedin A (IGF2)	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	24hrs	1 month
Somatomedin C (IGF-1)	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	2hrs	24hrs	1 month
Spinal Muscular Atrophy Genetics (OMIM: 253300, 253550, 253400)	EDTA whole blood	4ml	10-15 working days	Avoid clotted blood specimen. Signed informed consent necessary. Please consult the lab.	24hrs	1 week	Unacceptable
Sputum Cytology	Sputum	N/A	10-15 working days	Sample must be collected in sterile container.	24hrs	1 week	Unacceptable
Stool calprotectin	Frozen stool	Palm-nut size stool	10-15 working days	Analyte calprotectin is in faeces vial only some days stable, for shipment sample must be frozen (-20°C, dry ice) !	24hrs	3 days	1 month
Streptordonase Ab (Anti Dnase B)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Strongyloides IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Tacrolimus	EDTA whole blood	4ml	10-15 working days	Avoid clotted blood specimen.	24hrs	1 week	Unacceptable
TB Culture	Respiratory material (sputum, bronchial secretion (BAL), tissue and CSF)	N/A	2 – 3 months	Sample collection must be done in sterile specimen container.	24hrs	1 week	1 week
TB PCR	Respiratory material (sputum, bronchial secretion (BAL), tissue and CSF)	N/A	10-15 working days	Sample collection must be done in sterile specimen container.	24hrs	1 week	1 week

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
TB Quantiferon GOLD	TB-Quantiferon Tubes. Please consult the lab.	4 tubes per box	10-15 working days	<p>"Collect 4 x 1 ml whole blood in the four Cellestis QuantiFERON®-TB Gold Plus in Tube collection set Nil, TB1, TB2 and Mitogen. Do not centrifuge. Use vacutainer to ensure correct sample volume. Following filling, shaking, and labeling, the tubes must be transferred to a 37°C ± 1°C incubator as soon as possible, and otherwise, samples must be sent to the lab within 16 hours of collection. Prior to incubation, maintain the tubes at room temperature (22°C ± 5°C). Do not refrigerate or freeze the blood samples.</p> <p>If the blood is not incubated immediately after collection, re-mixing of the tubes by inverting 10 times must be performed immediately prior to incubation.</p> <p>2. Incubate the tubes UPRIGHT at 37°C ± 1°C for 16 to 24 hours. The incubator does not require CO2 or humidification.</p> <p>3. After incubation at 37°C, blood collection tubes may be held between 4°C and 27°C for up to 3 days prior to centrifugation.</p> <p>4. After incubation of the tubes at 37°C, harvesting of plasma is facilitated by centrifuging the tubes for 15 minutes at 2000 to 3000 RCF (g). The gel plug will</p>	24hrs prior to centrifugation	1 week after centrifugation	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
				separate the cells from the plasma. If this does not occur, the tubes should be re-centrifuged at a higher speed.			
TET2 Mutation	EDTA Whole Blood	4ml	15-20 working days	Avoid clotted specimen. Signed informed consent necessary. Please consult the lab.	1 week	1 week	Unacceptable
Thiopurine-S-methyltransferase activity	EDTA Whole Blood	4ml	10-15 working days	Avoid clotted specimen. Signed informed consent required.	8hrs	1 week	Unacceptable
Thiopurine-S-Methyltransferase deficiency	EDTA Whole Blood	4ml	10-15 working days	Avoid clotted specimen. Signed informed consent required	8hrs	1 week	Unacceptable
Thyroglobulin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Thyroglobulin Abs	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Thyroid Peroxidase Ab	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Thyroxine Binding Hormone	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Tissue transglutaminase IgA	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Tissue transglutaminase IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Toxoplasma IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Toxoplasma IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Toxoplasma PCR	EDTA whole blood	3ml	10-15 working days	Avoid clotted samples	24hrs	1 week	Unacceptable
Tramadol in Urine	Urine	10ml	10-15 working days	Sample collection must be done in sterile specimen container.	24hrs	1 week	1 month
Transferrin	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Transferrin saturation	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Treponema pallidum IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Treponema pallidum IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Treponema pallidum PCR	Dry Swab or Biopsy	N/A	10-15 working days	Swab (either dry swab or use of molecular biological PCR vials (e.g. from Sarstedt with isotonic solution with azide) or biopsy material (please send dry without addition of solutions like formalin or saline solution)	8hrs	1 week	Unacceptable
Triple test (Second Trimester screen <i>Parameter: AFP, β-HCG, free Estriol</i> <i>Serum drawn: 14+0 – 18+6 weeks of gestation</i> <i>Special request form necessary!</i>)	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Please complete specialized request form with adequate information about the pregnancy. Failure to do so will result in inability to calculate the risk of pregnancy.	8hrs	24hrs	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Trypanosoma cruzi IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Trypanosoma cruzi IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
TSH Receptor Ab	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Tyrosine-phosphatase Ab	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Ureaplasma urealyticum-DNA	Dry Cotton Swab	2 dry swab sticks	10-15 working days	Use sterile swabs	24hrs	1 week	Do not freeze
Urine Cortisol	24hr Urine sample	10ml	10-15 working days	Sample collection must be done in urine gallons. Gallons are available in the lab.	24hrs	1 week	1 month
Urine Cytology	Random Urine sample	10ml	10-15 working days	Sample collection must be done in sterile urine containers. Please fix in equal volume of ethanol or submit sample to the lab neat.	24hrs	1 week	Unacceptable
Urine Free Light Chains	Random Urine sample	10ml	10-15 working days	Sample collection must be done in sterile urine containers.	24hrs	1 week	1 month
Urine porphobilinogen	24hr Urine collection <i>(indicate 24 h volume)</i>	10ml	10-15 working days	Sample collection must be done in urine gallons. Urine gallons are available in the lab.	24hrs	1 week	1 month
Urine VMA	24hr Urine collection <i>(collect with HCl, indicate 24 h volume)</i>	10ml	10-15 working days	Sample collection must be done in urine gallons. Pre-acidified gallons are available in the lab.	24hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Valproic acid	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Varicella IgG	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
Varicella IgM	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	24hrs	1 week	1 month
VEGF (<i>Vascular endothelial growth factor</i>)	Frozen Serum	3ml	15-20 working days	Avoid haemolysed and lipaemic samples	8hrs	24hrs	1 month
Vasopressin	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	24hrs	1 month
Very Long Chain Fatty Acids	Serum	3ml	15-20 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Vitamin A (<i>Retinol</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Vitamin B1 (<i>Thiamine</i>)	EDTA Whole Blood	4ml	10-15 working days	Avoid clotted sample	24hrs	1 week	Unacceptable
Vitamin B2 (<i>Riboflavin</i>)	EDTA Whole Blood	4ml	10-15 working days	Avoid clotted sample	24hrs	1 week	Unacceptable
Vitamin B3 (<i>Niacin</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Vitamin B6	EDTA Whole Blood	4ml	10-15 working days	Avoid clotted sample	24hrs	1 week	Unacceptable

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
Vitamin C (<i>Ascorbic acid</i>) <i>Dispatch sample material frozen, separate vial required if additional analyses are requested!</i>	Frozen Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	4hrs	24hrs	1 month
Vitamin D3 (1.25 OH)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Vitamin E (<i>Tocopherol</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month
Vitamin H (<i>Biotin</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Dispatch light-protected	5 days	4 weeks	21 months
Vitamin K (<i>Menaquinon</i>)	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples. Dispatch light-protected	8hrs	1 week	1 month
Von Willebrand Activity	Frozen Citrate plasma	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	4hrs	4hrs	1 month
Von Willebrand Factor Multimere analysis	Frozen Citrate plasma	3ml	15-20 working days	Avoid haemolysed and lipaemic samples The lab recommends to quickly freeze the citrate plasma and to send it on dry ice for the optimum transport to the lab. The multimers are sensitive to cool temperatures at 2-10°C which is why quick freezing and also very quick thawing at 37°C is performed to reduce the time at cooled temperatures as much as possible.	4hrs	4hrs	1 month
Zika Virus PCR	EDTA whole blood (other materials)	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen
	possible: serum, CSF, ejaculate)						
Zinc in serum	Serum	3ml	10-15 working days	Avoid haemolysed and lipaemic samples	8hrs	1 week	1 month



SENDAWAYS TEST CATALOGUE

Filename: **GN-MP-SendawayTestCat**

Revision: 07

Issue Date: 15.11.2024

Author: MICHAEL ACKAH

Authorized by: DANIEL APPOH

SPECIALIZED TESTS	SPECIMEN TYPE	SPECIMEN QUANTITY	TAT	SPECIAL INSTRUCTIONS	Room Temperature (14°C-25°C)	Refrigerated (2°C – 8°C)	Frozen

Revision #	Revised by	Reviewed by	Date	Nature of revision	Supersedes
01	Michael Ackah	Daniel Appoh	01.01.2021	Original Version	
02	Michael Ackah	Daniel Appoh	14.05.2021	Sickle cell disease testing in amniotic fluid has been included.	Rev 01
03	Michael Ackah	Daniel Appoh	14.07.2021	CD4/CD8 is currently on hold.	Rev 02
04	Michael Ackah	Daniel Appoh	22.03.2022	The following tests have been moved to the Sendaways test catalogue: (Vitamin D(25-OH), Vitamin B12, AFP, Ca-125, IgE and Folic Acid)	Rev 03
05	Michael Ackah	Daniel Appoh	23.01.2023	The following tests are now being analysed in-house: Vitamin D(25-OH), Vitamin B12, AFP, and CA-125. They are no longer sendaways	Rev 04
06	Michael Ackah	Daniel Appoh	20.07.2023	HPV PCR and Genotyping as well as Parathyroid hormone are now available in-house. Also, the NIPT (NeoBona) test have been revised.	Rev 05
07	Michael Ackah	Daniel Appoh	15.11.2024	HIV-1 Viral Load has been removed. Test is now performed in-house.	Rev 06



SENDAWAYS TEST CATALOGUE

Filename: **GN-MP-SendawayTestCat**

Revision: 07

Issue Date: 15.11.2024

Author: MICHAEL ACKAH

Authorized by: DANIEL APPOH

				AMH has been removed. Test is now performed in-house. NIPT-Sickling with beta-thalassemia and cystic fibrosis as well as NIPT-Complete have been removed. Tests have been discontinued by the performing lab.	

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