# **Laboratory Guide**

www.eurofins.co.uk/clinical-diagnostics



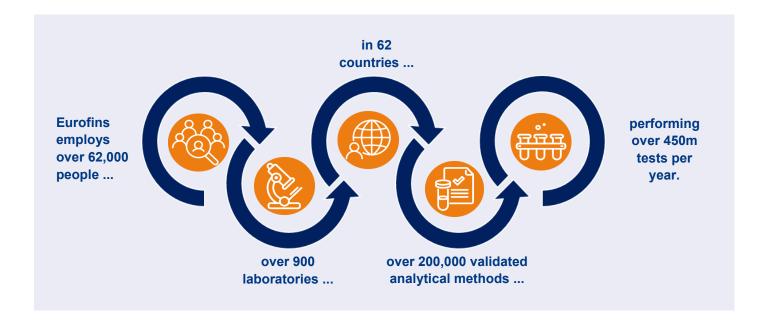
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Founded in October 1987, Eurofins Group's mission is to contribute to a safer and healthier world by providing our customers with innovative and high-quality laboratory, research and advisory services whilst creating opportunities for employees and generating sustainable shareholder value.





#### **Clinical Diagnostics**

Eurofins Clinical Diagnostics UK Limited (Eurofins Clinical Diagnostics) is a UKAS accredited medical laboratory no. 9256. Eurofins Diagnostics offers clinically led diagnostic / pathology services to the NHS, private clinics and hospitals, as well as wellness and occupational health companies.

In addition to our state of the art purpose built laboratory in Guildford, as part of Eurofins Group we work closely with numerous Eurofins laboratories across Europe.

Our laboratory guide provides an overview of key requirements to assist customers in the collection and preparation of samples to be sent to the laboratory, as well as additional information about our



a UKAS accredited medical laboratory no. 9256

Eurofins acquired County Pathology in 2018, the laboratory was expanded and relocated in late 2020, and now operates as Eurofins Clinical Diagnostics.

#### LABORATORY INFORMATION



#### Scope of Laboratory (Diagnostics & Screening)

Eurofins Clinical Diagnostics UK Ltd is a medical testing laboratory offering a broad repertoire of tests primarily for investigating patient wellness. Eurofins Clinical Diagnostics provides a clinically led diagnostic and screening investigations with interpretive clinical comments where appropriate. The disciplines within Clinical Diagnostics are Blood Sciences, Infection Sciences and Wellness Screens.

#### **Eurofins Clinical Diagnostics**

90 Priestley Road Surrey Research Park Guildford Surrey GU2 7AU

#### **Contact Customer Services**

Monday to Friday: 9am to 5pm

Tel: **01483 450388** 

Email: enquiries@ctuk.eurofins.com

#### **Laboratory Opening Hours:**

- Monday to Friday: 8am to 10pm
- Saturday: 9am to 5pm (laboratory only)
- Closed Sundays and UK Public Holidays

Please contact Customer Services for Eurofins Clinical Diagnostics' business terms and conditions.

#### Phlebotomy Services

Phlebotomy appointments are available onsite at our laboratory in Guildford for adults, and children from the age of 25 months.

Contact our Phlebotomy team to book an appointment, once the patient has a completed request form from their clinic.

Phlebotomy services require payment at the time of the appointment, patients are responsible for claiming costs back from clinics and / or insurers if appropriate. GP invoicing is possible for referrals if agreed prior to the appointment.

#### Contact Phlebotomy

Monday to Friday: 9am to 4:30pm

Tel: **01483 450388** 

Email: phlebotomy@ctuk.eurofins.com

#### **Phlebotomy Opening Hours:**

Monday to Friday: 9am to 4:30pm

#### LABORATORY MANAGEMENT



#### **Clinical Advisory Services**

Ordering Examinations and Interpretation of Results: a clinical service is available for ordering examinations and interpretation of examination results, please contact Customer Services with your query.

- Customer Services: enquiries@ctuk.eurofins.com / 01483 450388
- · Medical Director: Dr Mehdi Mirzazadeh
- Chief Scientific Officer: Dr Roy Naja
- Consultant Chemical Pathologist: Dr Mehdi Mirzazadeh
- Consultant Haematologist: Dr Steve Austin
- Consultant Virologist: Dr George Gyamfi-Brobbey
- Consultant Clinical Scientist in Clinical Genetics: Dr Roy Naja

#### **Key Contacts & Managers**

- · Managing Director: Sam Vine
- Commercial Director: Hannah Blackburn
- Operations Director: George Worthington
- · Head of Quality and Governance: Dayan Wijesinghe
- · Laboratory Operations Manager Blood Sciences: Bashar Dyri
- Phlebotomy: Lindy Nock

#### REFERRAL LABORATORIES



For over 35 years Eurofins laboratories have provided general pathology and specialised diagnostic tests. Eurofins Clinical Diagnostics' general pathology testing is performed at our UKAS medical testing laboratory in Guildford, and as part of Eurofins Group we offer an extensive repertoire of tests through our sister laboratories:

- Eurofins Biomnis France, Paris
- Eurofins Biomnis France, Lyon
- Eurofins Genoma, Rome
- Eurofins Genoma, Milan

Eurofins Clinical Diagnostics also work with third party referral laboratories in the UK. These laboratories are selected for their high quality of service and are, wherever possible, ISO 15189 accredited. Referral laboratories located outside of the UK are accredited to the local equivalent of UKAS.

The service and quality of our referral laboratories is regularly reviewed as part of our management review process. Where a referral laboratory has been used for a result, this will be indicated on the patient report. A full list of referral laboratories used by Eurofins Clinical Diagnostics is available upon request.

#### **QUALITY ASSURANCE**



#### **CQC** Registration

Eurofins Clinical Diagnostics is registered with the Care Quality Commission (CQC) - <u>click here</u> for further details. (Eurofins County Pathology Limited trades as Eurofins Clinical Diagnostics).

#### Accreditation (ISO 15189)

Eurofins Clinical Diagnostics is a UKAS Medical Testing Laboratory 9256. Accredited to BS EN ISO 15189:2022. Click here to view our current UKAS Schedule of Accreditation.

#### **Measurement Uncertainty**

For clinicians the variance of test results around a clinical decision value is the uncertainty that has most potential to affect interpretation and clinical management. The analytical uncertainty of measurement of a procedure is the sum of the uncertainties associated with the technical steps required to conduct a test according to the standard operating procedure of the method and associated variables. For the purpose of recording estimates of uncertainty of measurement, the imprecision has been estimated from the 95.5% confidence interval (ie. Test Result ± 2 SD).

Clinical users can request the laboratory to provide this measurement uncertainty for any test, please contact **enquiries@ctuk.eurofins.com**.

#### **Data Protection (GDPR)**

Eurofins Clinical Diagnostics, as part of the Eurofins Group, take steps to ensure that personal information is collected, used and shared lawfully, in accordance with data protection and privacy laws, and that the confidentiality and integrity of personal information is upheld. The position of the Eurofins Group towards data protection and privacy is clearly described in the Eurofins Group Code of Ethics: "Eurofins is committed to treating information with respect and protecting personal data from unauthorised disclosure."

The Eurofins Group respects the privacy of its employees, customers, and other individuals whose personal information it processes in the course of its business activities. If you have any data protection queries, please contact Eurofins Clinical Diagnostics' Data Protection Officer on **DPO@ctuk.eurofins.com**. Data storage is within the UK.

#### Feedback, Compliments & Complaints

The satisfaction of our service is of paramount importance. All feedback on this Laboratory Guide or any other aspect of the service is welcomed, please email **enquiries@ctuk.eurofins.com** to suggest improvements, make a complaint or give a compliment we can share with our staff. All complaints are treated as confidential, an investigation is undertaken, with corrective and preventive actions introduced where identified.

#### **BLOOD SAMPLE COLLECTION**



#### Good Phlebotomy Practice: Venous Samples

- Those taking blood must have received appropriate training as defined by the National Patient Safety Agency guidelines. The identity of the person collecting the primary sample must be recorded on the form and / or sample with collection date (and time where relevant).
- Identify patient correctly before taking blood. Ask patient to state their name and date of birth and ensure that all details match the request. Ensure the patient meets any pre-examination requirements eg. fasting status, medication status and record on the form as appropriate.
- Use the correct blood tube for the test required. Mix the blood tube gently after collection to ensure activation of any additive. Do not shake.
- The sequence of venous blood tube collection should be:



Urgent test requests must be notified via email or phone: enquiries@ctuk.eurofins.com 01483 450388

- Do not remove tops to manually fill bottles, vacuum tubes are not designed for use in this way and will leak.
- Gross errors occur when samples have been collected from an area that is receiving an intravenous infusion. Do not take samples from in-dwelling access devices unless specific training has been received.
- Needles and holders are for single use only and must be disposed of immediately into an adjacent sharps container. Needles must not be re-sheathed or removed from the holder.
- Take care to prevent needle stick injuries. If you do have a needle stick injury, contact occupational health or the local emergency department immediately.
- Under-filled / over filled coaquiation (citrate) bottles will be rejected as results will be unreliable.
- Ensure that complete identification is clearly written on the bottle immediately after taking samples. Do not pre-label tubes. If labels are used on forms, ensure that they are on all layers of multi-part forms. This ensures an unequivocal link of the request to the samples.
- All blood spillages must be cleaned up immediately. Gloves must be worn, and special care taken with any broken plastic / glass. The contaminated area must be decontaminated with a locally agreed disinfectant.
- Blood cannot be accepted by the laboratory without a fully completed request form / electronic request.
   Black ball point pen and clear printing must be used to ensure legibility when handwriting any information. See page 9 for further information on request forms.
- Samples sent to the laboratory must arrive in a leak-proof container and comply with transport regulations, see packaging section. Blood tubes should be placed in a plastic bag and linked to the request form.
- We are unable to guarantee the processing of leaking samples. If not processed, these will be disposed
  of immediately and the requesting user informed.
- Samples should be delivered to the laboratory as soon as possible after collection. Some samples require special handling requirements, contact **enquirires@ctuk.eurofins.com** for details.
- It is the responsibility of the requesting user to ensure that all these requirements are met. The laboratory cannot accept the responsibility of changing any request or sample identification. Incomplete requests and incorrectly labelled samples will be brought to the attention of requesting users and discarded where appropriate.

#### **BLOOD SAMPLE COLLECTION**



#### Good Phlebotomy Practice: Capillary Samples

- The finger is usually the preferred site for capillary testing in an adult patient.
- Specimens requiring a capillary skin puncture are best obtained after ensuring that a hand is warm and thoroughly cleaned.
- With capillary skin punctures the sequence of blood tube collection should be:



NB this is the reverse order of that used for venipuncture blood collection

- DO NOT use a surgical blade to perform a skin puncture.
- DO NOT puncture the skin more than once with the same lancet, or use a single puncture site more than once, because this can lead to bacterial contamination and infection.
- Use an alcohol wipe to sterilise the skin entry site and allow to air dry.
- Use a lancet to puncture the skin to achieve a good flow of blood and to prevent the need to repeat the puncture.
- Wipe away the first drop of blood using a dry tissue because it may be contaminated with tissue fluid leading to unwanted clotting and platelet clumping.
- Avoid squeezing the finger too tightly because this dilutes the specimen with tissue fluid (plasma) and increases the probability of haemolysis.
- Allow droplets of blood to drop into the collection tube and fill to the instructed volume mark.
- If insufficient blood comes from the site, please repeat the previous steps using a fresh lancet on alternative site / finger.
- When the blood collection procedure is complete, apply firm pressure to the site to stop the bleeding and apply a plaster.
- If the kit is supplied with labels, these should be applied to the filled tubes before returning to the laboratory. Alternatively, tubes must be labelled with the patients name, date of birth and date and time of sampling.

See Appendix 1 (page 35) for example capillary blood sample collection instructions (IFU).

#### SAMPLE REQUIREMENTS: REQUEST FORMS



#### **Request Form Completion**

- It is important that all request forms (paper or electronic) and specimen containers are labelled legibly with the MATCHING relevant patient demographic and clinical details. Accurate patient identification is obviously of vital importance.
- Care must also be taken to follow any necessary protocol where a result could otherwise be adversely affected. If any doubt exists, please contact enquiries@ctuk.eurofins.com.
- Samples will NOT be accepted unless there are 3 matching points of identification on both the sample and request form. Incomplete or discrepant points of identification will be rejected and the requesting party informed. Laboratory staff are not authorised to make changes to request forms or samples.
- Please specify specimen collection time and date on all samples and request forms.
- Clinical information is useful for laboratory validation and clinical interpretation of results and to recommend initiation of further investigations where appropriate.
- The following legible information is required on the request form:
  - Patient's Full Name Surname and Forename (initials are not acceptable)
  - · Date of Birth
  - Gender (at birth)
  - Requesting clinician or company and location
  - Relevant clinical information and any drug therapy
  - Tests being requested
  - · Type of specimen
  - Date and time of sample collection

#### SAMPLE REQUIREMENTS: REQUEST FORMS



#### Request Forms Requirements

- A Eurofins Clinical Diagnostics request form, paper or electronic, must accompany every sample.
- The request form ensures all the required information is provided, which enables the laboratory to provide an efficient service and reduces the risk of the sample(s) being rejected.
- Please be aware that the laboratory cannot accept samples that are classed as group 4 pathogens - these will be incinerated immediately.
- In most cases, the willingness to consent to venipuncture, receipt of a sample and request form is considered inferred consent to test as requested on the request form.
   If accepted by the laboratory, this is considered an agreement.



Please contact
Customer Services on
enquiries@ctuk.eurofins.com
if in any doubt as to which
request form to use, or to
discuss adding QR codes to
your request forms.

See Appendix 4 (page 38) for example of a venipuncture draw request form.

#### SAMPLE REQUIREMENTS: ACCEPTANCE CRITERIA



#### Sample Acceptance / Rejection Criteria

Samples may be rejected if they do not meet the standard requirements for testing. Reasons for rejection are as follows but not limited to:

- Mislabelled or unlabelled samples and / or request forms.
- Haemolysed / clotted / icteric / lipidemic.
- Insufficient sample volume.
- Samples broken or leaked in transit.
- Incorrect sample type received.
- Expired consumables.

## SAMPLE REQUIREMENTS: PACKAGING & TRANSPORT



Eurofins Clinical Diagnostics is committed to maintaining the integrity of samples transported to our laboratories, including where courier or postal transportation is not arranged by us. Transport temperatures and sample transport requirements are audited quarterly - see pages 13 to 33 for any special sample requirements.

## Sample Packaging Requirements UN3373

- It is important that samples and request forms are packaged securely to avoid leakages.
- Inadequate packaging may result in sample leakage which will result in loss of the sample for testing. There is also the potential exposure of couriers / transport individuals to biological material.
- All specimen transport bags have 2 pockets the front pocket should be used for the request form, the bigger back pocket should be used for the samples. The big pocket has a sealable top, this should be checked to ensure it is fully closed. If possible place a small piece of absorbent material in with the sample. Any leakage will then be contained within this pocket.
- Placing the request form and sample in separate pockets avoids contamination of the request form should the sample leak.

#### Transportation & Special Handling Needs UN3373

Any sample that is to be posted or transported by courier must adhere to the following instructions.

- Posted samples must comply with Royal Mail packing regulations.
- Place the sample and request form into the specimen transport bag as described above.
- Place the sealed sample transport bag into a UN3373 approved transport box / container.
- Then place the transport box / container inside the postal envelope / box with UN3373 warning label, and a Track 24 label attached.



# Test Kit Consumables

A range of test kit consumables, as well as Track 24 labels can be provided, please contact enquiries@ctuk.eurofins.com for details and pricing.

• Samples can be posted in Royal Mail Priority postboxes or Royal Mail Customer Service points.

To avoid samples being held in transit we recommend samples are not posted immediately before a weekend or Bank Holiday.

In extreme weather conditions, to avoid exposing samples to extreme hot or cold temperatures, we recommend samples are sent via a Royal Mail post office rather than post box.

Home test kit samples should be packaged and returned exactly as described in the instructions for use leaflet within the test kit.

#### RESULTS REPORTING METHODS



- Results will only be sent to the specified clinical results contact. If you require a 2nd professional to receive the results this must be stated on the request form.
- Reports can be sent via HL7 data files to an SFTP, or as encrypted PDF attachment to an email.
- Reference ranges are printed on the laboratory report and are adjusted for sex and age. All results outside these ranges are flagged and highlighted in red.
- Reports can be tailored to include logos and / or display demographics specific to a client's requirements.



#### **Report Options**

Please contact
enquiries@ctuk.eurofins.com
to discuss any non standard
report formats.

#### **TURNAROUND TIMES**



• Turnaround time (TAT) is calculated as the period of time in working days from the sample arrival at the laboratory to the reporting of results.

#### SAMPLE RETENTION



 Samples are retained and stored in line with The Royal College of Pathologists recommendations for 7 days.

# **Test Guide**



#### TEST GUIDE: SREENS / PROFILES



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Turnaround time (TAT) is calculated as the period of time in working days from the sample arrival at the laboratory to the reporting of results.

Please contact Customer Services on **enquiries@ctuk.eurofins.com** if you have any queries regarding tests or sample requirements / stability.

Screen / Profile	Screen / Profile Tests	TAT	Sample Type
Arthritis Screen	Rheumatoid Factor, Anti-CCP	3 days	Serum tube
Bone Profile	Calcium, Corrected Ca, Albumin, ALP, Phosphate	1 day	Serum tube
Clotting Screen	APTT, APTT ratio, Fibrinogen, INR, PT ratio, PT	1 day	Plasma Citrate tube
Hormone Profile	Follicle Stimulating Hormone, Prolactin, Luteinising Hormone, LH/FSH Ratio, Oestradiol, Progesterone, SHBG, Testosterone	1 day	Serum tube
Iron Studies	Iron, UIBC, Transferrin, Transferrin Saturation, Ferritin	1 day	Serum tube
Lipid Screen	Chol, HDL, LDL, Chol/HDL Ratio, Triglycerides	1 day	Serum tube
Liver Function	AST, ALT, Albumin, Total Protein, Globulin, LDH, Total Bilirubin, GGT	1 day	Serum tube
Renal Function	Sodium, Urea, Creatinine, EGFR	1 day	Serum tube
Well Man	See page 15	1 day	Serum tube, EDTA tube & Fluoride tube
Well Woman	See page 15	1 day	Serum tube, EDTA tube & Fluoride tube
Well Person	See page 15	1 day	Serum tube, EDTA tube & Fluoride tube
60+ Male	See page 15	1 day	Serum tube, EDTA tube & Fluoride tube
60+ Female	See page 15	1 day	Serum tube, EDTA tube & Fluoride tube
Thyroid Profile 1	FT4, TSH	1 day	Serum tube
Thyroid Profile 2	FT4, FT3, TSH, Thyroid Antibodies	1 day	Serum tube
Thyroid Profile 3	FT4, FT3, TSH	1 day	Serum tube
Thyroid Profile 4	FT4, FT3, TSH, TT4, Anti-TPO, Anti-TG, Reverse T3*	2 weeks	2x Serum tubes

<sup>\*</sup> Referral Test

# TEST GUIDE: SREENS / PROFILES -



	PROFILE				
TEST	Well	Well	Well	60+	60+
	Man	Woman	Person	Male	Female
ALP	Y	Y	Y	Y	Y
ALT	Y	Y	Y	Y	Y
AST	Y	Y	Y	Y	Y
Active B12				Y	Y
Alb	Y	Y	Y	Y	Y
Androgen Free Index	Y				
Total B12	Y	Y	Υ		
CA125		Y			Y
CRP	Y	Y	Y	Y	Y
Calcium	Y	Y	Y	Y	Y
Corrected Calcium	Y	Y	Y	Y	Y
Cholesterol	Y	Y	Υ	Y	Y
Non-HDL Chol	Υ	Y	Υ	Y	Y
Chol/HDL ratio	Y	Y	Υ	Y	Y
Creatinine	Y	Y	Υ	Y	Y
EGFR	Y	Y	Y	Y	Y
ESR	Y	Y	Y		
Ferritin	Y	Y			
Folate	Y	Y		Υ	Y
Free T4	Y	Y	Y	Y	Y
Full Blood Count	Y	Υ	Y	Υ	Υ
GGT	Y	Y	Υ	Y	Y
Globulin	Υ	Υ	Υ	Υ	Y
Glucose	Y	Y	Υ	Y	Y
HDL	Υ	Υ	Υ	Υ	Υ
HDL Chol %				Y	Y
HbA1c	Υ	Y	Υ	Υ	Y
Iron	Y	Y	Υ	Y	Y
LDH	Υ	Υ	Υ	Υ	Y
LDL	Y	Y	Υ	Y	Y
PSA Total	Y			Y	
Phosphate	Y	Y	Υ	Y	Y
SHBG	Y				
Sodium	Y	Y	Y	Y	Y
Testosterone	Y				
TSH	Y	Y	Y	Y	Y
Total Bilirubin	Y	Y	Y	Y	Y
Total Protein	Y	Y	Y	Y	Y
Triglycerides	Y	Y	Y	Y	Y
Urea	Y	Y	Y	Y	Y
Uric Acid	Y	Y	Y	Y	Y
Vitamin D (25 OH)		-	-	Y	Y
7.Maiimi D (20 011)				1	'



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Turnaround time (TAT) is calculated as the period of time in working days from the sample arrival at the laboratory to the reporting of results.

Please contact Customer Services on **enquiries@ctuk.eurofins.com** if you have any queries regarding tests or sample requirements / stability.

Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
17-Hydroxyprogesterone	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
6-MAM	Contact laboratory	Sterile vial		Y
ACE	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Acetylcholine Receptor Ab	Contact laboratory	Serum tube		Υ
Acid Phosphatase	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Activated Protein C Resistance	Contact laboratory	Citrate tube	Frozen at -20°C	Y
Active B12	1 day	Serum tube		N
Acylcarnitines	Contact laboratory	Serum tube		Υ
Adenovirus 40/41	Contact laboratory	Sterile vial		Υ
Adiponectin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Adrenal Ab	Contact laboratory	Serum tube		Υ
AFP - Alphafetal Protein	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Albumin	1 day	Serum tube		N
Alcohol Urine (medical)	Contact laboratory	Sterile vial		Υ
Aldosterone	Contact laboratory	Serum tube		Υ
ALEX Screen	Contact laboratory	Serum tube		Υ
ALP - Alkaline Phosphatase	1 day	Serum tube		N
ALP Isoenzymes - Alkaline Phosphatase Isoenzymes	Contact laboratory	Serum tube		Υ
Alpha 1 Antitrypsin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Alpha 1 Antitrypsin Genotype	Contact laboratory	EDTA tube		Y
ALT - Alanine Transaminase	1 day	Serum tube		N
Aluminium	Contact laboratory	Trace tube	Refrigerated at 4-8°C	Υ
AMH - Anti-Mullerian Hormone	1 day	Serum tube		N



Test Name	ТАТ	Sample Type	Special Requirements	Referral Test Y/N
Amino Acids - Whole Blood	Contact laboratory	EDTA tube	Frozen at -20°C	Υ
Ammonia	Contact laboratory	EDTA tube	Frozen at -20°C	Υ
Amphetamine (hair)	Contact laboratory	Sterile vial		Υ
Amphetamines (blood)	Contact laboratory	Serum tube		Υ
Amphetamines (urine)	Contact laboratory	Sterile vial		Υ
Amylase	1 day	Serum tube		N
Amyloid A	Contact laboratory	Serum tube	Frozen at -20°C	Υ
ANA	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
ANCA	Contact laboratory	Serum tube		Υ
Androstenediol Glucuronide	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Androstenedione	Contact laboratory	Serum tube	Frozen at -20°C	Υ
Angiotensin II	Contact laboratory	EDTA tube	Frozen at -20°C	Υ
Anti TPO Ab - Anti-Thyroidperoxidse Ab	1 day	Serum tube		N
Anti-Actin Antibodies (Anti- Smooth Muscle Ab)	Contact laboratory	Serum tube		Υ
Anti-Amphiphysin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-beta 2 Glycoprotein 1 lgG/lgM	Contact laboratory	Serum tube		Υ
Anti-Cardiolipin IgA	Contact laboratory	Serum tube		Υ
Anti-Cardiolipin IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-Cardiolipin IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-CCP	1 day	Serum tube	Refrigerated at 4-8°C	N
Anti-CENP	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-Centromere Ab	Contact laboratory	Serum tube		Υ
Anti-Centromere B	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-CV2	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-Factor Xa	Contact laboratory	Citrate tube		Υ
Anti-Ganglioside Ab	Contact laboratory	Serum tube		Υ
Anti-Glomerular BM Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-Histone Ab	Contact laboratory	Serum tube		Υ
Anti-Jo 1	Contact laboratory	Serum tube		Υ
Anti-Liver Cytosol Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-LKM Ab	Contact laboratory	Serum tube		Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Anti-mitochondrial Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-nuclear Ab (ANA)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Anti-SARS-CoV-2-S	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Anti-Scl 70	Contact laboratory	Serum tube		Y
Anti-Sm RNP	Contact laboratory	Serum tube		Υ
Anti-SSA/Ro 52	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Anti-SSA/Ro 60	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-SSB/La	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Antistreptolysin Titre	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Anti-Striated Muscle Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Antithrombin III	Contact laboratory	Citrate tube	Frozen at -20°C	Y
Anti-Thyroglobulin Ab	1 day	Serum tube		N
Anti-U1RNP	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Apolipoprotein A1	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Apolipoprotein B	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Apolipoprotein E	Contact laboratory	Serum tube		Υ
APTT	1 day	Citrate tube		N
Arsenic	Contact laboratory	EDTA tube		Υ
AST - Aspartate Trasaminase	1 day	Serum tube		N
B.burgdorferi IgG/IgM EIA	Contact laboratory	Serum tube		Υ
B2M - Beta 2 Microglobulin	Contact laboratory	Serum tube		Υ
Barbiturates (blood)	Contact laboratory	Serum tube		Υ
Barbiturates (hair)	Contact laboratory	Sterile vial		Υ
Barbiturates (urine)	Contact laboratory	Sterile vial		Υ
Bartonella Henselae	Contact laboratory	Serum tube		Υ
Bartonella Quintana	Contact laboratory	Serum tube		Υ
Benzodiazepine (hair)	Contact laboratory	Serum tube		Y
Benzodiazepines (blood)	Contact laboratory	Sterile vial		Y
Benzodiazepines (urine)	Contact laboratory	Sterile vial		Υ
Beta 2 glycoprotein 1 lgA/lgG/lgM	Contact laboratory	Serum tube		Υ
Beta-Carotene	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
B-Galactosidase	Contact laboratory	Lithium Heparin tube		Υ
Bile Acid Fractions Panel	Contact laboratory	Serum tube		Υ
Bilirubin Direct (Conj)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Blood Culture	Contact laboratory	Aerobiosis blood culture bottle		Υ
Blood Film Morphology	1 day	EDTA tube		N
Blood Group	1 day	EDTA tube		N
Borrelia Burgdorferi IgG/IgM Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Borrelia C6 (IgG/IgM)	Contact laboratory	Serum tube		Υ
Brucella Rose Bengale	Contact laboratory	Serum tube		Υ
Buprenorphine (hair)	Contact laboratory	Sterile vial		Υ
Buprenorphine (urine)	Contact laboratory	Sterile vial		Υ
C Peptide	1 day	Serum tube	Frozen at -20°C	N
C Peptide (urine)	Contact laboratory	Container w/o additive		Υ
C. Difficile Toxin A/B Gene	Contact laboratory	Sterile vial		Υ
C. Trachomatis & N. Gonorrhoeae DNA Panel	Contact laboratory	Variable		Υ
C. Trachomatis DNA	Contact laboratory	Sterile vial		Υ
C. Trachomatis rRNA	Contact laboratory	Variable		Υ
C1 Esterase Inhibitor	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
C1 Esterase Inhibitor-Activity	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
C9 Complement	Contact laboratory	Serum tube	Frozen at -20°C	Υ
CA 125 (Ovary)	1 day	Serum tube	Refrigerated at 4-8°C	N
CA 15-3	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
CA 72-4	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
CA 19-9	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
CA 50	Contact laboratory	Serum tube		Υ
Caeruloplasmin	1 day	Serum tube		N
Calcitonin	Contact laboratory	Serum tube	Frozen at -20°C	Y
Calcium	1 day	Serum tube		N
Campylobacter (PCR)	Contact laboratory	Variable		Υ
Candida Albicans IgA/IgG/IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Cannabis (blood)	Contact laboratory	Serum tube		Υ
Cannabis (hair)	Contact laboratory	Sterile vial		Υ
Cannabis (urine)	Contact laboratory	Sterile vial		Υ
Cannabis Screen	Contact laboratory	Sterile vial		Υ
Carbamazepine (tegretol)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Carboxyhaemoglobin	Contact laboratory	EDTA tube		Υ
Carnitine-Total	Contact laboratory	Serum tube		Υ
Catecholamines 3 Panel	Contact laboratory	EDTA tube	Frozen at -20°C	Υ
CD19 (Percentage)	Contact laboratory	EDTA tube		Υ
CD4 & CD8	Contact laboratory	EDTA tube		Υ
CD4/CD8 Ratio	Contact laboratory	EDTA tube		Υ
CD56 CD16 (NK Cells Absolute)	Contact laboratory	EDTA tube		Υ
CD56 CD16 (NK Cells Percent)	Contact laboratory	EDTA tube		Υ
CDT - Carbohydrate Deficient Transferrin	Contact laboratory	Serum tube		Υ
CEA (Bowel)	1 day	Serum tube		N
Cell Count & Differential Panel (CSF)	1 day	EDTA tube		N
CH50 (CH100)	Contact laboratory	Serum tube	Frozen at -20°C	Υ
Chlamydia Pneumoniae IgG/IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Chlamydia Trachomatis IgG/IgM	Contact laboratory	Dry swab		Υ
Cholesterol	1 day	Serum tube		N
Cholinesterase	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Chromium Serum	Contact laboratory	Serum Trace Element tube		Υ
Chromium Whole Blood	Contact laboratory	Whole Blood Trace Element tube		Υ
Chromogranin A	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Chromogranin B	Contact laboratory	Serum tube		Υ
CK	1 day	Serum tube		N
CK-MB Fraction	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Clotting Screen	1 day	Citrate tube		N



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
CMV IgG Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
CMV IgM Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
CMV Virus DNA	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Cocaine (blood)	Contact laboratory	Serum tube		Υ
Cocaine (hair)	Contact laboratory	Sterile vial		Υ
Cocaine (urine)	Contact laboratory	Sterile vial		Y
Complement C3	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Complement C4	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Copper	1 day	Serum tube		N
Cortisol	1 day	Serum tube		N
Cortisol (saliva)	1 day	Saliva tube	Refrigerated at 4-8°C	N
Cortisol Free (24hr urine)	Contact laboratory	Container w/o additive	Refrigerated at 4-8°C	Y
Cotinine (serum)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Cotinine (urine)	Contact laboratory	Sterile vial		Y
Coxiella Burnetii Phase 2 IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Coxiella Burnetii Phase 2 IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Creatinine	1 day	Serum tube		N
CRP	1 day	Serum tube		N
CRP (High Sensitivity)	1 day	Serum tube		N
Cryoglobulins	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Cryptosporidium (OCP PCR)	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
CTX (Crosslaps) Bone Coll Deg	Contact laboratory	Serum tube	Frozen at -20°C	Y
Cyclosporin	Contact laboratory	EDTA tube		Υ
Cyfra 21-1	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Cystatin C	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Cystic Fibrosis - CFTR Gene - 51 mutations	Contact laboratory	EDTA tube		Y
D-Dimers	Contact laboratory	Citrate tube		Υ
DHEA (Dehydroepiandrosterone)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
DHEA-S (Dehydroepiandrosterone- Sulphate)	1 day	Serum tube	Refrigerated at 4-8°C	N



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Diamine Oxidase Activity	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Digoxin (6-24hrs post dose)	Contact laboratory	Serum tube		Υ
Dihydrotestosterone	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Double Stranded DNA Ab	Contact laboratory	Serum tube		Y
DPD Crosslaps	Contact laboratory	Serum tube	Frozen at -20°C	Y
EBV Early Ag Ab IgG	Contact laboratory	Serum tube		Y
EBV EBNA IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
EBV VCA Ab IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
EBV VCA IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Endomysial IgA	Contact laboratory	Serum tube		Y
Endomysial IgG	Contact laboratory	Serum tube		Y
ELF - Enhanced Liver Fibrosis	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
EPO - Erythropoietin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
ESR	1 day	EDTA tube		N
Ethanol	Contact laboratory	Sterile vial		Υ
Everolimus	Contact laboratory	EDTA tube		Υ
Extractable Nuclear Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Factor II Prothrombin	Contact laboratory	EDTA tube		Y
Factor IX	Contact laboratory	Citrate tube		Y
Factor V	Contact laboratory	Citrate tube		Υ
Factor V Leiden	Contact laboratory	EDTA tube		Υ
Factor VII	Contact laboratory	Citrate tube		Υ
Factor VIIIc	Contact laboratory	Citrate tube	Frozen at -20°C	Y
Factor X	Contact laboratory	Citrate tube		Y
Factor XII	Contact laboratory	Citrate tube		Υ
Factor XIII	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
Factor XIII	Contact laboratory	Citrate tube		Y
Faecal Calprotectin	Contact laboratory	Sterile vial	Frozen at -20°C	Y
Faecal Elastase 1	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
FBC - Full Blood Count	1 day	EDTA tube		N
Fentanyl	Contact laboratory	Sterile vial		Y



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Ferritin	1 day	Serum tube		N
Fibrinogen	1 day	Citrate tube		N
Filaria Identified Nom (Bld)	Contact laboratory	EDTA tube		Υ
Folate	1 day	Serum tube		N
Free Kappa Light Chains	Contact laboratory	Serum tube		Υ
Free Light Chains (Kappa / Lambda)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Free T3	1 day	Serum tube		N
Free T4	1 day	Serum tube		N
Fructosamine	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
FSH	1 day	Serum tube		N
Fungal Culture	Contact laboratory	Sterile vial		Υ
G6PD	Contact laboratory	EDTA tube	Refrigerated at 4-8°C	Υ
GAD Ab	Contact laboratory	Serum tube		Υ
Galactosidase-Alpha	Contact laboratory	Lithium Heparin tube	Frozen at -20°C	Υ
Gardnerella Vaginalis (urine)	Contact laboratory	Sterile vial		Υ
Gastric Parietal Cell Ab	Contact laboratory	Serum tube		Υ
Gastrin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
GGT	1 day	Serum tube		N
Giardia (OCP PCR)	Contact laboratory	Variable		Y
Giardia Lamblia	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Y
Gliadin Ab IgA	Contact laboratory	Serum tube		Y
Gliadin Ab IgG	Contact laboratory	Serum tube		Y
Glucagon	Contact laboratory	Lithium Heparin tube		Υ
Glucose	1 day	Fluoride tube		N
Glutathione Peroxidase	Contact laboratory	Lithium Heparin tube	Frozen at -20°C	Y
Growth Hormone	Contact laboratory	Serum tube		Υ
H Pylori Ab	2 days	Serum tube		N
Haemagglutination Total Ig	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Haemoglobin A1	Contact laboratory	EDTA tube		Υ
Haemoglobin A2	Contact laboratory	EDTA tube		Υ
Haemoglobin Electrophoresis	Contact laboratory	EDTA tube		Υ
Haemoglobin F	Contact laboratory	EDTA tube		Υ
Haemosiderin (urine)	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Haptoglobin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
HbA1c	1 day	EDTA tube		N
HCG-Beta (Pregnancy)	1 day	Serum tube		N
HCG-Beta (Tumour Marker)	1 day	Serum tube		N
HDL	1 day	Serum tube		N
HE4 - Human Epididymis Protein 4	Contact laboratory	Serum tube	Frozen at -20°C	Υ
Heavy Metals Panel (blood)	Contact laboratory	EDTA tube		Υ
Heavy Metals Panel (urine)	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Helicobacter Pylori Ag	Contact laboratory	Sterile vial		Y
Hepatitis A IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Hepatitis A IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Hepatitis B Core IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Hepatitis B Core Total Ab	1 day	Serum tube		N
Hepatitis B DNA (viral load)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Hepatitis B e Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Hepatitis B e Ag	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Hepatitis B Sag	1 day	Serum tube		N
Hepatitis B Surface Ab	1 day	Serum tube		N
Hepatitis B Surface Ag	1 day	Serum tube		N
Hepatitis C Ab	1 day	Serum tube		N
Hepatitis C RNA (Qual/Quant)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Hepatitis D	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Herpes Simplex 1 IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Herpes Simplex 1+2 IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Herpes Simplex 2 IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Herpes Simplex Virus 1	Contact laboratory	Serum tube		Y
Herpes Simplex Virus 2	Contact laboratory	Serum tube		Y
Herpes Simplex Virus IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Herpex Simplex Virus 2 (HSV-2)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Histamine	Contact laboratory	Sterile vial		Y
HIV 1 Viral Load	Contact laboratory	2x EDTA tubes		Y
HIV 1&2 Ab+p24 Ag	1 day	Serum tube		N
HIV-1 Nucleic Acid	Contact laboratory	EDTA tube		Y
HIV-1 p24 Ag	Contact laboratory	Serum tube		Υ
HIV-1 RNA Viral Load	Contact laboratory	EDTA tube	Frozen at -20°C	Y
HLA B27	Contact laboratory	EDTA tube	Refrigerated at 4-8°C	Y
Homocysteine	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
HPV Genotypes	Contact laboratory	Thin Prep		Y
HPV Thin Prep	Contact laboratory	Thin Prep		Y
HSV 1	Contact laboratory	Serum tube		Y
HTLV 1 & 2	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
HVS Culture	Contact laboratory	Variable		Y
Hyaluronic Acid	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
IgA	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
lgE-Total	1 day	Serum tube		N
IGF-BP3	Contact laboratory	Serum tube	Frozen at -20°C	Y
IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
lgG Subclass Panel (S)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
lgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Immunoglobulin Light Chains Panel (S)	Contact laboratory	Serum tube		Y
Insulin	Contact laboratory	Serum tube	Frozen at -20°C	Y
Insulin Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Insulin Resistance HOMA (Homeost Mod Assess)	Contact laboratory	Serum tube	Frozen at -20°C	Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Insulin-Like Growth Factor 1	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Interleukin 6	Contact laboratory	Serum tube	Frozen at -20°C	Y
Intrinsic Factor Ab	Contact laboratory	Serum tube		Y
Iron	1 day	Serum tube		N
Islet Cell Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Ketamine (hair)	Contact laboratory	Sterile vial		Y
Ketamine (urine)	Contact laboratory	Sterile vial		Y
Lactic Acid	Contact laboratory	Fluoride / Oxalate tube	Frozen at -20°C	Υ
Lactose Intolerance Genetic	Contact laboratory	EDTA tube		Y
LDH - Lactate Dehydrogenase	1 day	Serum tube		N
LDH Isoenzymes	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
LDL	1 day	Serum tube		N
Lead	Contact laboratory	EDTA tube		Y
Lead (24hr urine)	Contact laboratory	Sterile vial		Υ
Legionella Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Legionella Urine Ag	Contact laboratory	Sterile vial		Υ
Leptin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Leptospira Ab IgM	Contact laboratory	Serum tube		Υ
LH	1 day	Serum tube		N
Lipase	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Listeria	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Lithium	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Liver / Kidney Microsomal Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Lp(a) - Lipoprotein (a)	1 day	Serum tube		N
Lupus Anticoagulant ONLY	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
Lupus Inhibitor	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
Lysozyme	Contact laboratory	Serum tube		Y



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
M. Pneumoniae IgG IA Qn (S)	Contact laboratory	Serum tube		Υ
M. Pneumoniae IgM IA Qn (S)	Contact laboratory	Serum tube		Υ
M. Pneumoniae IgM/IgA	Contact laboratory	Serum tube		Υ
Macroprolactin	Contact laboratory	Serum tube		Υ
Magnesium	1 day	Serum tube		N
Magnesium Red Cell	Contact laboratory	EDTA tube		Υ
Manganese	Contact laboratory	Trace tube		Υ
Measles IgG	Contact laboratory	Serum tube		Υ
Measles IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Meperidine	Contact laboratory	Sterile vial		Y
Mercury	Contact laboratory	EDTA tube		Y
Metabolic & Somatic Ag	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Metamphetamines	1 day	Sterile vial		N
Metanephrine & Normetanephrine Panel	Contact laboratory	EDTA tube	Frozen at -20°C	Υ
Methadone (hair)	Contact laboratory	Sterile vial		Υ
Methadone (urine)	Contact laboratory	Sterile vial		Υ
Methaemoglobin	Contact laboratory	EDTA tube		Υ
Methaqualone	Contact laboratory	Sterile vial		Υ
Methotrexate	Contact laboratory	Serum tube		Υ
Methylmalonic Acid	Contact laboratory	Sterile vial		Υ
MRSA Swab (nasal)	Contact laboratory	Solid media swab		Υ
MTHFR Gene c.1298A>C mutation	Contact laboratory	EDTA tube	Clinical history required	Υ
MTHFR Gene c.677C>T mutation	Contact laboratory	EDTA tube	Clinical history required	Υ
Mumps IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Mycoplasma Genitalium	Contact laboratory	Variable		Υ
Myeloperoxidase Ab	Contact laboratory	Serum tube		Υ
Myoglobin (serum)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Nagalase	Contact laboratory	Serum tube		Υ
Neisseria Gonorrhoea	Contact laboratory	Variable		Y



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Non HDL Cholesterol	1 day	Serum tube		N
Norovirus GI/GII	Contact laboratory	Sterile vial		Υ
NSE - Neurone Specific Endolase	Contact laboratory	Serum tube		Υ
NT-proBNP	1 day	Serum tube	Refrigerated at 4-8°C	N
Occult Blood (Faecal Immunochemical Test (FIT))	1 day	HM-JACKarc sample picker		N
Oestradiol (E2)	1 day	Serum tube		N
Oestriol (E3)	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Oestrone	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Omega 6:3 Ratio (ARA:EPA)	Contact laboratory	EDTA tube		Υ
Opiates	Contact laboratory	Sterile vial		Υ
Opiates (blood)	Contact laboratory	Serum tube		Υ
Opiates (hair)	Contact laboratory	Sterile vial		Υ
Opiates (urine)	Contact laboratory	Sterile vial		Υ
Opiates Screen QI	Contact laboratory	Sterile vial		Υ
Organic Acids-Urine	Contact laboratory	Sterile vial		Υ
Orosomucoid A1 Glycoprotein	Contact laboratory	Serum tube	Frozen at -20°C	Υ
Osmolality (urine)	Contact laboratory	Sterile vial		Υ
Osmolarity	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Ova & Parasites Identification	Contact laboratory	Sterile vial		Υ
Oxycodone	Contact laboratory	Sterile vial		Υ
Parvovirus IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Parvovirus IgM Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Pert (Whooping Cough)	Contact laboratory			Υ
Phencyclidine	Contact laboratory	Sterile vial		Y
Phencyclidine (hair)	Contact laboratory	Sterile vial		Υ
Phencyclidine (urine)	Contact laboratory	Sterile vial		Y
Phenytoin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Phosphate	1 day	Serum tube		N
Phosphate (24hr urine)	Contact laboratory	Container w/o additive		Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Phosphate (urine)	1 day	Sterile vial		N
Phosphatidylserine Ab IgA	Contact laboratory	Serum tube		Y
Phosphatidylserine Ab IgG	Contact laboratory	Serum tube		Y
PLA2 Cardiac Marker	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
PLAC for Lp-PLA2 Activity	1 day	Serum tube		N
Plasminogen Activator Inhibitor-1	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
Plasmodium Vivax, Malaria & Ovale Antigen	Contact laboratory	EDTA tube		Υ
Porphobilinogen (PBG)	Contact laboratory	Sterile vial		Υ
Potassium	1 day	Serum tube	Spun within 4 hours	N
Pregnenolone	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Pregnenolone Sulphate	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Procalcitonin	Contact laboratory	Serum tube	Frozen at -20°C	Y
Procollagen 3	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Progesterone	1 day	Serum tube	Refrigerated at 4-8°C	N
Prolactin	1 day	Serum tube		N
Propoxyphene (hair)	Contact laboratory	Sterile vial		Υ
Propoxyphene (urine)	Contact laboratory	Sterile vial		Υ
Protein C	Contact laboratory	Citrate tube	Frozen at -20°C	Y
Protein C Antigen	Contact laboratory	Citrate tube	Frozen at -20°C	Y
Protein Electrophoresis	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Protein S Activity	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
Protein S Antigen-Free	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
Proteinase 3 Ab	Contact laboratory	Serum tube		Y
Prothrombin Mutation	Contact laboratory	EDTA tube		Υ
Prothrombin Ratio	1 day	Citrate tube		N
Prothrombin Time	1 day	Citrate tube	Frozen at -20°C	N
PSA Free	1 day	Serum tube		N
PSA Total	1 day	Serum tube		N



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Parathyroid Hormone PTH	Contact laboratory	EDTA tube	Sample arrival at laboratory within 48 hrs	Υ
Parathyroid Related Peptide PTHrP	Contact laboratory	EDTA Plasma & Aprotinine	Frozen within 1 hour at -20°C	Υ
Pyruvate	Contact laboratory	Variable		Υ
Red Cell Folate	Contact laboratory	EDTA tube		Υ
Renin	Contact laboratory	EDTA tube	Frozen at -20°C	Υ
Reticulin IgA	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Reticulin IgG	Contact laboratory	Serum tube		Υ
Reverse T3	Contact laboratory	Serum tube		Υ
Rheumatoid Factor RF	1 day	Serum tube		N
Rickettsia Conorii IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Rotavirus A	Contact laboratory	Sterile vial		Υ
Rubella IgG	1 day	Serum tube		N
Rubella IgM	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
S100 Calcium Binding Protein B	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Salicylate	Contact laboratory	Serum tube		Υ
Salmonella	Contact laboratory	Variable		Υ
SARS Total Ab	Contact laboratory	Serum tube		Υ
SCC Squamous Cell Carcinoma Ag	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Selenium	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Serotonin	Contact laboratory	Lithium Heparin tube	Frozen at -20°C	Υ
SHBG Sex Hormone Binding Globulin	1 day	Serum tube	Refrigerated at 4-8°C	N
Shigella	Contact laboratory	Variable		Υ
Sickle Cell Screen	Contact laboratory	EDTA tube		Υ
Single Stranded DNA Ab	Contact laboratory	Serum tube		Υ
Smith Extractable Nuclear Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Sodium	1 day	Serum tube		N
Somatotropin	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Sperm Ab	Contact laboratory	Serum tube		Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
STD Panel	Contact laboratory	Variable		Υ
Stone Analysis	Contact laboratory	Sterile vial		Y
Stool Reducing Substances	Contact laboratory	Sterile vial	Frozen at -20°C	Y
Syphilis IgG / IgM	1 day	Serum tube		N
T3 Total	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
T4 Total	1 day	Serum tube		N
Tacrolimus	Contact laboratory	EDTA tube		Υ
TB Quantiferon Gold TB1	Contact laboratory	TBQ tube		Υ
Testosterone	1 day	Serum tube		N
Testosterone-Free	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Thrombin Time	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
Thyroglobulin	Contact laboratory	Serum tube		Υ
Thyroid Stimulating Igs	Contact laboratory	Serum tube		Y
TIBC - Total Iron Binding Capacity	1 day	Serum tube		N
Tin Serum	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Tin Whole Blood	Contact laboratory	EDTA tube		Y
Tissue Inhibitor of Metalloproteinases 1	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Tissue Transglutaminase IgA	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Tissue Transglutaminase IgG	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Total Bile Acids	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Total Bilirubin	1 day	Serum tube		N
Total Protein	1 day	Serum tube		N
Toxoplasma IgG	1 day	Serum tube	Refrigerated at 4-8°C	N
Toxoplasma IgM	1 day	Serum tube	Refrigerated at 4-8°C	N
Tramadol (hair)	Contact laboratory	Sterile vial		Υ
Tramadol (urine)	Contact laboratory	Sterile vial		Y
Transferrin	1 day	Serum tube		N
Transferrin Saturation	1 day	Serum tube		N
Treponema Pallidum	Contact laboratory	Serum tube		Y
Trichomonas Vaginalis	Contact laboratory	Sterile vial		Y
Tricyclic Antidepressants	1 day	Sterile vial		N



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Triglycerides	1 day	Serum tube		N
Tryptase	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
TSH	1 day	Serum tube		N
TSH Receptor Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
TNF - Tumour Necrosis Factor	Contact laboratory	Serum tube	Frozen at -20°C	Υ
Urate (24hr urine)	1 day	Container w/o additive		N
Urea	1 day	Serum tube		N
Uric Acid	1 day	Serum tube		N
Urinalysis Dipstick Panel	1 day	Sterile vial		N
Urine 3-Methoxytyramine	Contact laboratory	Sterile vial		Υ
Urine Amino Acids	Contact laboratory	Sterile vial		Υ
Urine Cadmium	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Urine Calcium	1 day	Sterile vial		N
Urine Catecholamines	Contact laboratory			Υ
Urine Citrate (24hr)	Contact laboratory	Container w/o additive		Υ
Urine Copper	Contact laboratory	Sterile vial		Y
Urine Creatinine	1 day	Sterile vial	Refrigerated at 4-8°C	N
Urine Culture	Contact laboratory	Sterile vial		Υ
Urine lodine	Contact laboratory	Sterile vial		Υ
Urine Lead	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Urine Magnesium	Contact laboratory	Sterile vial		Υ
Urine Metanephrine	Contact laboratory	Container w/o additive		Υ
Urine Microalbumin	1 day	Sterile vial		N
Urine Microscopy	1 day	Sterile vial		N
Urine Normetanephrine	Contact laboratory	Container w/o additive	Refrigerated at 4-8°C	Υ
Urine Oxalate (24hr)	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Urine Potassium	1 day	Sterile vial		N
Urine Protein	Contact laboratory	Sterile vial		Υ
Urine Selenium	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ



Test Name	TAT	Sample Type	Special Requirements	Referral Test Y/N
Urine Sodium	Contact laboratory	Sterile vial	Refrigerated at 4-8°C	Υ
Valproic Acid	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Υ
Varicella Zoster IgG Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Varicella Zoster IgM Ab	Contact laboratory	Serum tube	Refrigerated at 4-8°C	Y
Vasoactive Intestinal Peptide	Contact laboratory	Serum tube		Y
VDRL	Contact laboratory	Serum tube		Y
Vitamin A (Retinol)	Contact laboratory	Serum tube		Y
Vitamin B1 (Thiamine)	Contact laboratory	EDTA tube		Y
Vitamin B12	1 day	Serum tube		N
Vitamin B2 (Riboflavin)	Contact laboratory	EDTA tube		Y
Vitamin B3 (Niacin)	Contact laboratory	Serum tube		Y
Vitamin B6 (Pyridoxine)	Contact laboratory	EDTA tube		Y
Vitamin C	Contact laboratory	Serum tube	Spun & frozen at -20°C within 3 hours	Υ
Vitamin D (1,25 Dihydroxy)	Contact laboratory	Serum tube		Y
Vitamin D (25 OH)	1 day	Serum tube		N
Vitamin E	Contact laboratory	Serum tube		Υ
Vitamin K1 / K2	Contact laboratory	Serum tube	Light protected, spun & frozen at -20°C within 24 hours	Υ
VLDL	1 day	Serum tube		N
Voltage Gated Potassium Channel Ab	Contact laboratory	Serum tube		Υ
Von Willebrand Factor	Contact laboratory	Citrate tube	Frozen at -20°C	Υ
VT E.coli (PCR)	Contact laboratory	Variable		Y
Wound Swab C&S	Contact laboratory	Variable		Y
Zinc	1 day	Trace Element tube		N
Zolpidem (hair)	Contact laboratory	Sterile vial		Y

# Appendices



#### APPENDIX 1: CAPILLARY SAMPLE IFU



Your Finger-Prick Blood Guide To Performing Your Step-by-Step

# Instructions

Clinical Diagnostics





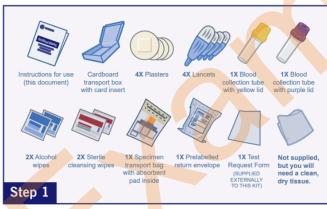
### **Top Tips**

- Blood flow is better when taking a finger-prick test straight after a warm
- As with any blood test, it helps to stay hydrated. Drinking a couple of glasses of water about 30 minutes before you do the test will aid blood flow.
- Gravity can help with blood flow so if you can, stand whilst doing the test, but make sure you have a chair nearby in case you feel light-headed.
- Read through these instructions and follow each step. You may be used to taking finger-prick blood tests from other providers but it is important you follow these instructions to ensure your sample is suitable for testing in our laboratories.
- Once you have taken your sample, pack it up as detailed below and pop into the post as soon as possible. Please avoid posting on a weekend or before a bank holiday.
- Do read all the instructions before you start, and check collections times of your local priority post box.

#### Warnings

- ⚠ Do not use if the kit, packaging or contents is damaged.
   ⚠ This kit is suitable for adults aged 18+.

- ⚠ Human use only.
   ⚠ The components of this kit are single use only; do not reuse any item.
   ⚠ You will need a separate kit for each person doing a test, and each kit must only be used by the person whose name was used when ordering the kit.
   ⚠ Do not use the kit beyond the expiry date of the kit (found on the back of the box).
- riangle Do not use the kit if your finger is red, hot
- ⚠ There is an increased risk of bleeding if you are taking anticoagulant medication. If you continue to bleed after you have filled the tube(s), seek medical advice.



ve all the contents of your kit from the box and lay on a clean surface to familiarise yourself with each component.

Remove the lid from the blood collection tube and place collection
tube securely in the hole within the card insert before proceeding If any component is missing, call 01483 450388 or email enquiries@ctuk.eurofins.com



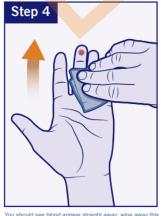
a finger-prick blood sample using either of your middle 2 fingers on your non-dominant hand. E.g. If you are righ handed, you will prick a finger on your left hand.

Using the alcohol wipe, clean the tip of your chosen finger and let it dry.

Remove the blue tip from the lancet by twisting gently



Place the hole of the lancet on your cleaned finger tip and press firmly. You will hear a click. This has activated the



You should see blood appear straight away; wipe away this first drop with a clean, dry tissue.



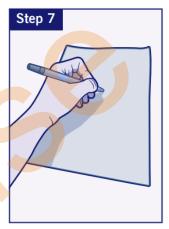
To ensure accurate results, please fill the purple tube first, followed by the yellow tube.

followed by the yellow tube. Standing over the tube, with your hand above the tube, massage your finger using a downward motion. As droplets of blood are formed, you may wipe them off to collect the blood inside the tube, or it may flow freely collecting straight into the tube. If blood flow stops, return to step 2 and repeat the process to prick another finger.

Note: Swirl the tube intermittently as blood is collected.



Once you have collected your blood samples, please take time to use the sterile cleansing wipe(s) to clean your finger and apply a plaster on your finger, should you need to.



If not already pre-populated, please complete the test request form and blood collection tube labels, provided by your healthcare provider, separate to this kit. Please ensure all fields are completed in full.

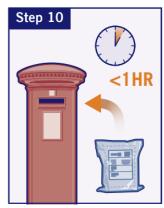
Step 8	
4 🗸	
4	
3	
<u>Q</u>	

Label the tubes with the supplied labels found on your test request form, ensuring all details remain visible.

Place your labelled tubes into the specimen transport bag and seal as instructed on the bag.



Put sealed specimen transport bag, all lancets (used and unused) and test request form into the cardboard transport box, close and put into the prelabelled return envelope provided and seal.



Your samples are now ready to post. Please post using your nearest priority post box as soon as possible, ideally within an hour of taking the test.

燕	Keep away from sunlight	[]i	Consult instructions for use
予	Keep away from rain	CA	UK Conformity Assesse
8	Do not re-use		Manufacturer
₹25°C	Temperature limit 25°C	LOT	Batch Code
IVD	In vitro diagnostic medical device		Use by date
STERNLE	Sterile		Ose by date

#### APPENDIX 2: URINE SAMPLE IFU





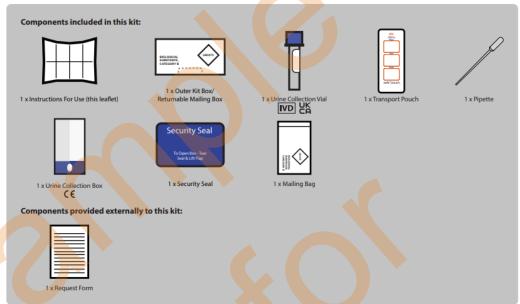
#### Warnings & Precautions

Before you start, please check the kit is within the expiry date prior to use. If the kit seal is broken and any components within the kit are damaged, do not use the kit and contact your kit provider. Carefully read the instructions for use leaflet as failure to follow the procedure could lead to an invalid sample. Have all the materials needed for the urine collection laid out in front of you with some clean tissues before starting.

#### **IMPORTANT NOTE**

If you are unable to collect enough urine in the vial, please do not return the sample as it will not be possible to process your results.

If this occurs, please notify your healthcare provider.



A urine sample collection kit used for collection and transportation of urine samples for professional laboratory analysis.

This kit contains the materials required for the sample self-collection or collection by a health/social care professional and its return to the designated testing laboratory.



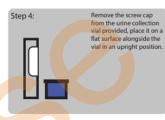


Make sure you read the instructions properly before collecting your



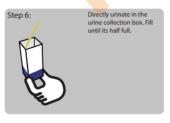
Step 3:

Fill out the label on the side of the urine collection vial, ensuring your writing is clear.





the urine collection box



Step 7: box next to your upright urine collection vial.





Place the urine collection vial into the transport pouch provided and seal.



Place the transport pouch now containing your labelled urine collection vial and the completed request form into the return box provided. Seal using the security seal provided.



Place the returnable mailing box into the mailing bag that has a pre-applied tracked 24 postage label on it. Seal closed.



Discard any used and

your sample using a Royal Mail priority post box the same day it was taken.

#### Before posting your sample:

- Ensure you have filled out the label on the side of the urine collection vial.
- Ensure you have placed the urine collection vial into the transport pouch and into the return box.
- Ensure you follow your kit providers instructions regarding completion of the request form.

#### APPENDIX 3: FIT STOOL SAMPLE IFU



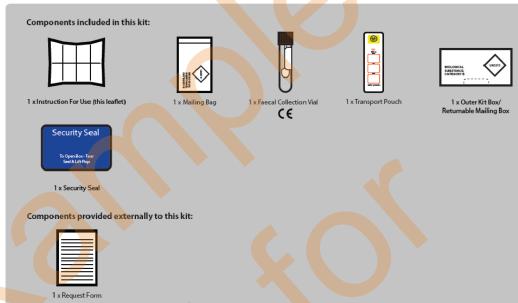


Before you start, please check the kit is within the expiry date prior to use. If the kit seal is broken and any components within the kit are damaged, do not use the kit and contact your kit provider. Carefully read the instructions for use leaflet as failure to follow the pro-cedure could lead to an invalid sample. Have all the materials needed for the faecal collection laid out in front of you with some clean tissues before starting.

#### IMPORTANT NOTE

If you are unable to collect enough faecal sample in the tube, please do not return the sample as it will not be possible to process your results.

If this occurs, please notify your healthcare provider.

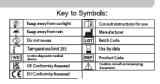


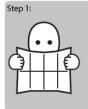
#### Warnings & Precautions

- If you feel unwell during the collection process, please pause. If necessary, consult with your advising healthcare professional
- Do not obtain faecal samples during menstruation (your period) and avoid sample contact with lubricants, bleach and toilet cleaners.
- If your stool sample is excessively watery or hard please discuss this with your healthcare professional to ensure you are collecting a suita sample for testing.
- Samples received with unfilled labels and non-completed request forms will not be tested.
- Do not place the sampling spoon directly into your body. The faecal collection yield are designed for collection faecal samples, no other

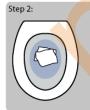
A faecal sample collection kit used for the collection and transportations of samples for laboratory analysis.

This kit contains the materials required for the sample self-collection or collection by a health/social care professional and its return to the designated testing laboratory.





Make sure you read the instructions properly before starting your test.



Lay toilet paper at the bottom of your toilet to make it easier for you to collect your sample.

Try to prevent the sample from touching the water.



Ensure you wash your hands before you start taking the sample.

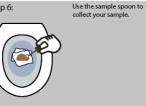


Complete the label on the side of the faecal collection vial, ensuring your writing is clear.



Unscrew the lid of your faecal collection vial to open it, remove the sampling spoon making sure it doesn't touch anything before collecting





Collect a pea sized volume of faeces. Step 7:



Put the sample spoon back into the faecal collection vial and secure the lid

vial into the transport pouch and seal closed.



Place the transport pouch now containing your labelled faecal collection vial and the completed request form into the return box provided. Seal using the security seal



Place the returnable mailing box into the mailing bag that has a pre-applied tracked 24 postage label on it. Seal dosed.



Discard any used and unused items responsibly.

your sample using a Royal Mail priority post box the same day it was taken.

#### Before posting your sample:

- Ensure you have filled out the label on the side of the faecal collection vial.
- Ensure you have placed the faecal collection vial into the transport pouch and into the return box.
- Ensure you follow your kit providers instructions regarding completion of the request form.

# APPENDIX 4: REQUEST FORM (VENIPUNCTURE DRAW EXAMPLE)





## **Clinical Diagnostics**

90 Priestley Road Surrey Research Park Guildford, Surrey GU2 7AU 01483 450388 / enquiries@ctuk.eurofins.com

Sample ID:			Client ID:			
Surname:			Clinician:			
Forename:			Taken by:			
Gender (at birth):	Mal	e / Female	Date:		/_/_	
Date of Birth:	/	/	Time:		: am	/ pm
Clinical Details:						
Haematology		Hormone	5		Serology	
☐ Full Blood Count*	•	□ FSH	•	□ HI	V	•
□ ESR	•	□ LH	•	□ He	p B SAg	•
☐ Blood Group	•	☐ Oestradiol	•	□ Не	p B SAb	•
□ Clotting Screen* (Urgent)	•	□ Progesterone		□ He	p C Ab	•
□ INR (Urgent)	•	☐ Testosterone		□ Ru	bella IgG	•
□ D-Dimer	•	□ SHBG		□ Me	easles IgG	•
		□ Prolactin	•	□ V.2	Zoster IgG	•
		□ Cortisol	•	□ Sy	philis IgG	•
	Rioche	ymietry			Profiles	
Renal Function*	Bioche	Arthritis Screen		- W	ell Man*	
		☐ (Rheumatoid Factor, Anti-	CCP)	- W	ell Woman*	•••
		□ Zinc	•	144	ell Person*	•••
	<del>.</del>	□ Copper	•			•••
☐ Lipid Screen*		□ Caeroloplasmin	•		+ Male*	•••
☐ Iron Studies*		☐ C Reactive Protein	•		+ Female* yroid Profile 1	• • •
□ Serum Folate	•	□ Coeliac Profile 2 TT0	G IgA		(4,TSH)	•
☐ Active B12	•	□ ALEX Screen			yroid Profile 2	
□ HbA1c	•	Other investigations:			4,FT3,TSH, Anti-TPO, Anti yroid Profile 3	I-1G)
□ Glucose	•			(FT	4,FT3,TSH)	•
□ CA 125	•				yroid Profile 4 4,FT3,TSH, TT4, Anti-TPC i-TG, Reverse T3 / Ratio)	), •
□ CEA	•			Ant	I-TG, Reverse T3 / Ratio)	
□ Total PSA	•				Non Blood Tes	ts
□ Free PSA reflex	•				Iprotectin	Stool
□ HCG - beta	•	Blood Draw Order:			ecal Immunochemica st (FIT)	Stool
□ Vitamin D	•	* See Laboratory Guide for		□ Uri	ine Microscopy	Urine
FOR CLINIC VENEPUNCTURE USE O		-	LABORATORY US	E ONLY		
EDTA SST GREY MSU	OTHER	R INITIALS ED	TA SST GR	EY MSI	J OTHER	INITIALS



**Eurofins Clinical Diagnostics UK Limited** 

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