

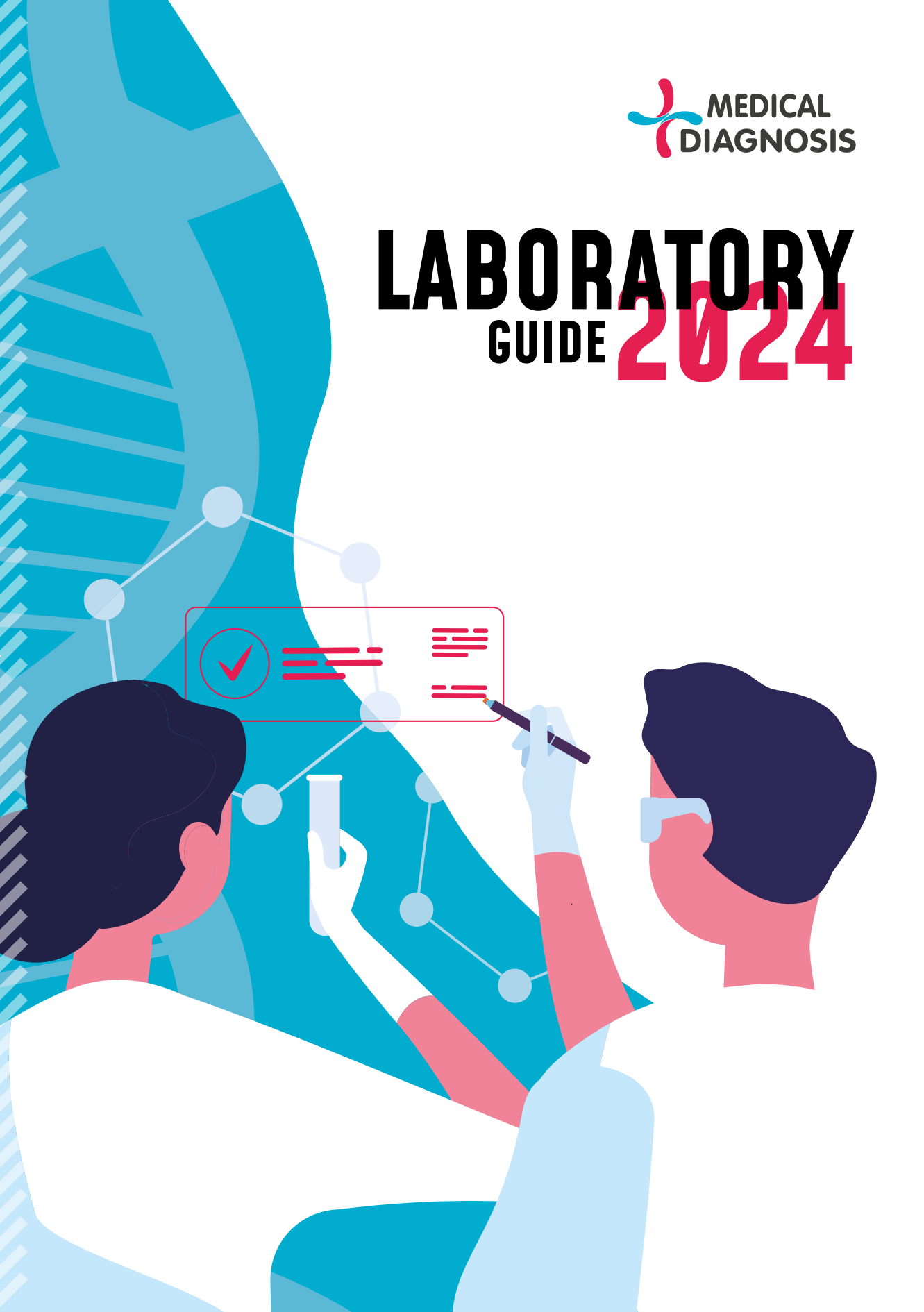


**Unit 12 Central Business Centre
Great Central Way
NW10 0UR London**



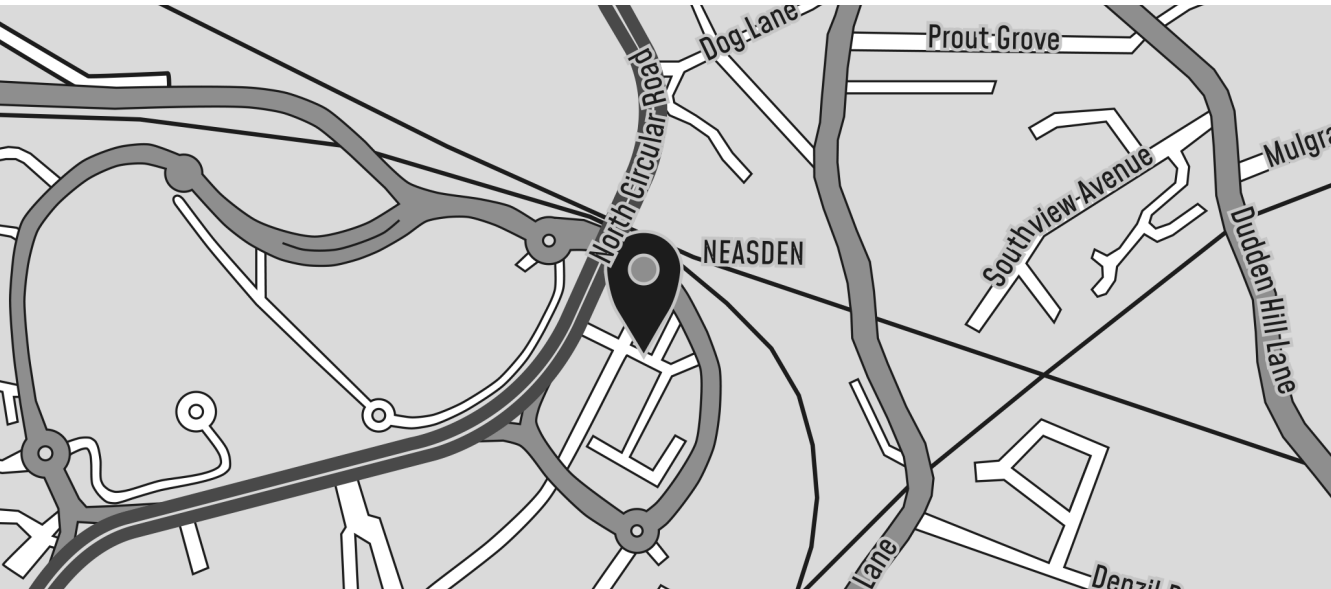
**www.medical-diagnosis.co.uk
0208 45 19 373
info@medical-diagnosis.co.uk**

LABORATORY GUIDE 2024



The Laboratory Guide outlines pre-analytical guidance for users of laboratory services provided by the Medical Diagnosis. The Laboratory Guide has been prepared following consultation with users of laboratory services. Any comments or suggestions for improvement should be directed to the Laboratory Quality Manager.

If you are not able to find details for tests and services, please contact the laboratory on 0 208 45 19 373.



Medical Diagnosis

The Laboratory

Unit 12 Central Business Centre
Great Central Way, Neasden
NW10 0UR London

Monday-Friday: 8:00am - 6:00pm
Saturday: 9:00am - 3:00pm
Sunday: 9:00am - 1:00pm**

☎ 0208 45 19 373
☎ 0208 830 0503

Patient Reception

North West London (Neasden)
Unit 10 Central Business Centre
Great Central Way, Neasden
NW10 0UR London

Monday-Friday: 8:00am - 6:00pm
Saturday: 9:00am - 3:00pm
Sunday: 9:00am - 1:00pm*

✉ info@medical-diagnosis.co.uk
🌐 www.medical-diagnosis.co.uk

Central London (Victoria)
170 Vauxhall Bridge Road London
SW1V 1DX London

Monday-Friday: 9:00am - 5:00pm
Saturday: 9:00am - 12:00pm*

☎ 0203 146 9508
✉ victoria@medical-diagnosis.co.uk

We offer pre-booked and walk-in appointments to everyone. Walk-in patients are welcome during our clinical hours, however booking an appointment is strongly recommended due to possible long waiting times as priority is given to booked appointments.

* Pre-booking is essential. ** Specimen collection only.

Quality Assurance

Medical Diagnosis committed to providing high-quality services. The quality of results is of fundamental importance and the laboratory operates to stringent technical and administrative standards. Internal quality assurance is achieved by strict adherence to standard operating procedures for all analytical processes. Medical Diagnosis is a UKAS accredited Medical Laboratory No. 8567, registered with the Care Quality Commission (CQC), and participates in the quality-assurance schemes; UK National External Quality Assessment Service (NEQAS); Randox International Quality Assessment Scheme (RIQAS) and Qnostics Molecular Assessment Scheme.

Certificate of Accreditation



Medical Diagnosis Ltd

Laboratory No. 8567

**is accredited in accordance with International Standard ISO 15189:2012 -
Medical laboratories - Requirements for quality and competence**

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system generally in accordance with the principles of ISO 9001 (refer to the Joint IAF-ILAC-ISO Communiqué on the Management system requirements of ISO 15189). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements

Matt Gantley, Chief Executive Officer
United Kingdom Accreditation Service

Initial Accreditation: 17 November 2015
Certificate Issued: 21 January 2022



Scan QR Code to
verify

UKAS is appointed as the sole national accreditation body for the UK by The Accreditation Regulations 2009 (SI No 3155/2009) and operates under a Memorandum of Understanding (MoU) with the Department for Business, Energy and Industrial Strategy (BEIS).


Complaints

Medical Diagnosis is committed to providing a high quality service to everyone. In order to do this we need you to give us any comments about our service, and to tell us when we get things wrong. We want to help you resolve your complaint as quickly as possible.


We treat as a complaint any expression of dissatisfaction with our service which calls for a response. We listen to your complaints, treat them seriously, and learn from them so that we can continuously improve our service.

You can make a complaint in a number of ways:

by e-mail:

 info@medical-diagnosis.co.uk

or by post to:

 Medical Diagnosis
Unit 12 Central Business Centre
Great Central Way, Neasden
NW10 0UR London

Sample labeling

Accurate labelling of specimens and accompanying laboratory request forms is critical to timely, safe and effective patient care in all areas of health care, including laboratory medicine.

Every specimen submitted must be clearly labeled with a minimum of two unique patient identifiers that match the order: patient's full name and date of birth. Do not use any type of labels on blood transfusion samples, eg blood group. These samples should only be handwritten.

Request form requirements

The request form must not be placed in the bag with the specimen to avoid contamination. Please use a pocket at the front to place documents in. Specimen transport bags must not be used more than once.

To comply with good clinical practice it is important that there is one request form for each patient's request, and specimens and form are correctly and fully labelled.

Completion of request form must include.

- ➔ A minimum of two key patient identifiers which match identifiers on the sample container.
- ➔ Details of examinations required and relevant clinical information.
- ➔ Sample type and anatomical site, where appropriate
- ➔ Collection date and time if appropriate.
- ➔ Sufficient information to ensure safe delivery of the report to the requesting practitioner.
- ➔ Fill the form using CAPITAL LETTERS and complete the form with your signature and date.

Turnaround time

Turnaround times for specific tests are detailed in the tests list and are quoted from the time of receipt in the laboratory as working days.

Privacy and management of confidential information

Medical Diagnosis has value-based, ethical and legal obligations for the custody and control of personal and confidential information. Medical Diagnosis will collect, use and disclose personal or confidential information for purposes directly related to the delivery of health care services and limit the collection to what is needed to fulfill the purposes identified. The latest technology is used to safeguard patient information and examination results against tampering or loss and ensure their security and their protection from unauthorized access. Only persons with proper security clearance and authorization have access to these files.

Customer satisfaction

To help us improve the service we are asking our patients to complete a quick survey. It contains a few questions about our work and has a space to leave an individual comment. The entire survey take approximately **1 minute** to complete.

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Fees

Fees can be paid directly by patients or by the practice/requesting organisation. A payment instruction clearly identifying the individual or organization for whom invoices need to be sent.

Supplies re-order

The laboratory provides sample collection consumables listed below, required by a practice for sample taking. Orders for supplies can be made by telephone 0 208 45 19 373 or e-mail supplies@medical-diagnosis.co.uk

VACUTAINER TUBES

- ☒ EDTA (Lavender)
- ☒ SST/Serum (Gold)
- ☒ Glucose/Fluoride Oxalate (Grey)
- ☒ Citrate (Blue)
- ☒ Lithium Heparin (Green)

REQUEST FORMS

- ☒ Request Forms
- ☒ Specimen Bags
- ☒ Red Specimen Bags (Urgent)

SWABS

- ☒ Swabs (Blue)
- ☒ Urethral Swabs (Orange/Grey)
- ☒ Chlamydia Swabs
- ☒ PCR Swabs
- ☒ PCR Viral Transport Medium

VACUTAINER NEEDLES

- ☒ Needles Green 21g
- ☒ Butterflies Green 21g
- ☒ Butterflies Blue 23g
- ☒ Needle Holders

CONTAINERS

- ☒ Urine Containers
- ☒ Histology Containers
- ☒ Stool Containers
- ☒ Thin Prep Containers
- ☒ Dip Slides

OTHERS - PLEASE SPECIFY



PREANALYTICAL *SAMPLE* HANDLING

Document valid from 1st January 2024.

The laboratory guide and price list is designed to give you an easy-to-use reference for the most regularly requested services, pathology profiles and tests. If you are not able to find details for tests, please contact the laboratory on:

Telephones: 020 84 519 373
020 88 300 503

E-mail: info@medical-diagnosis.co.uk

Ensure all specimens and forms are labelled with given full name, surname, date of birth, date and time of collection.
Turnaround times are quoted as working days.



URINE SAMPLE

Laboratory urine specimens are classified by the type of collection conducted or by the collection procedure used to obtain the specimen, e.g.:

- ➔ random specimen
- ➔ first morning specimen
- ➔ midstream clean catch specimen
- ➔ pediatric specimen
- ➔ 24-hour collection (if more details required, do not hesitate to contact us)

First morning clean catch is the recommended collection procedure for culture and/or urinalysis and microscopic analysis.

♀ Female

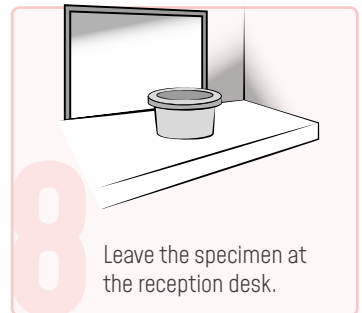
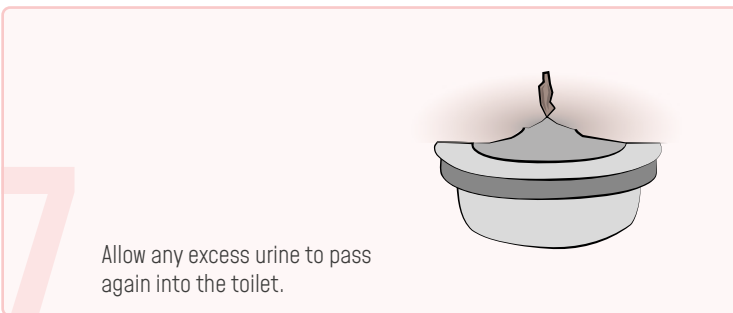
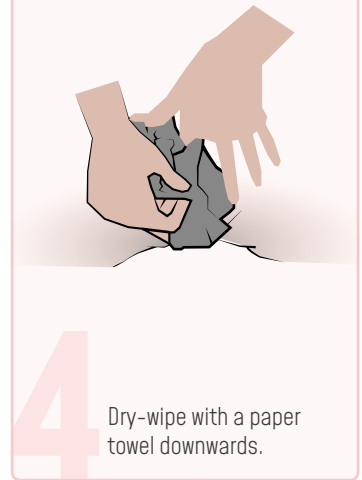
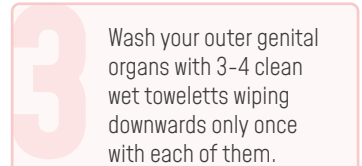
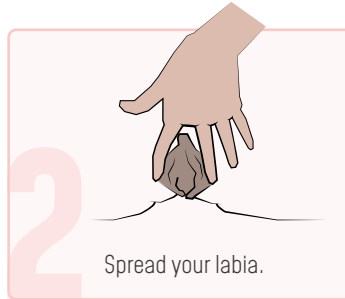
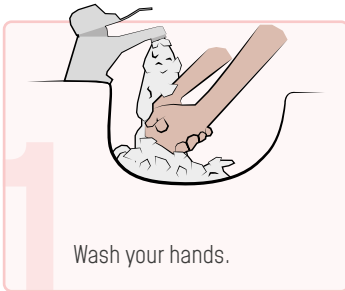
- 1 Wash hands thoroughly with soap and water.
- 2 Separate the skin folds around the urinary opening. Wash the urethral area with soap and water or towelette using a front to back motion. Repeat two additional times.
- 3 Begin urinating into the toilet with skin folds held apart with the fingers.
- 4 Insert collection container (sterile) into urine stream (mid-stream) without allowing container to touch the skin area.
- 5 Fill half of the container (minimum 10mL) and remove from the urine stream.
- 6 Replace the container lid and screw tightly and snap shut.
- 7 Label the container (name, date of birth) and note the collection date and time on the label.
- 8 Samples must be taken to the laboratory as soon as possible after collection. If you can't hand your urine sample in within an hour, you should keep it in the fridge at around 4°C for no longer than 4 hours.

♂ Male

- 1 Wash hands thoroughly with soap and water.
- 2 Wash the head of the penis with soap and water or towelette.
- 3 Insert collection container (sterile) into urine stream (mid-stream) without allowing container to touch the skin area.
- 4 Fill half of the container (minimum 10mL) and remove from the urine stream.
- 5 Replace the container lid and screw tightly and snap shut.
- 6 Label the container (name, date of birth) and note the collection date and time on the label.
- 7 Samples must be taken to the laboratory as soon as possible after collection. If you can't hand your urine sample in within an hour, you should keep it in the fridge at around 4°C for no longer than 4 hours.

URINE SAMPLE

Collection of mid-stream urine, females



URINE SAMPLE

Collection of mid-stream urine, males

1



Wash your hands.

2




Withdraw your foreskin.

3



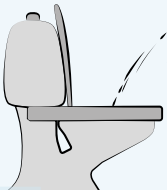
Wash the end of your penis with a clean wet towelette.

4



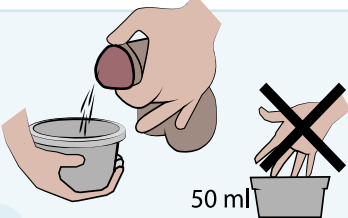
Dry-wipe with a paper towel downwards.

5



Let the first portion pass into the toilet.

6



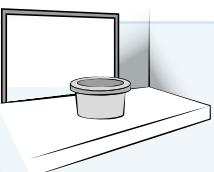
Collect about 50 ml urine into the container without breaking the stream. Avoid touching the inside.

7



Allow any excess urine to pass again into the toilet.

8



Leave the specimen at the reception desk.

24 HOUR COLLECTION



This leaflet is intended for all patients who have been asked to collect a 24 hour urine sample at home. Please read the instructions carefully, make sure you are prepared, and follow each of the steps to ensure proper collection.

Before you start your collection.

If you expect to produce more than five litres of urine in the 24 hours, please ask for a second container. Other containers, for example, fruit juice bottles, will not be suitable. For some tests, there are dietary and drug restrictions. Please see below. Before you stop taking any medications you must check with your clinician! You may drink as much fluid as you normally would during the 24 hour collection period. Plan your collection for a day off or a weekend but if you plan to go out, do take your collection bottle with you!

Patient Information.

Important decisions regarding your treatment may depend entirely upon proper test results. It is most important that you make sure that your collections are complete. An incomplete collection can give misleading results.

How to collect 24 hour urine sample.

Some urine collections require collecting into a preservative. In this case, there will be a small volume of liquid already in the container. Please do not discard or rinse out. Note any warnings or instructions, which may be printed on the outside of the urine container. It is essential that this procedure is followed very carefully. Test results are based on the total amount of tested substance excreted by your body over a 24 hour period. You should aim to collect every drop of your urine during the specified 24 hour period. It does not matter what the volume of the urine is, as long as it represents every drop that you pass. If you have a bowel movement, you must collect the urine separately. If unable to do so you should abandon the collection and start again on another day, using a fresh container. Please do not pass urine directly into the container, place the funnel into the opening. If necessary collect the urine firstly into a clean, dry, non-metallic object (such as a bowl or jug) and then pour into the container through the funnel.

Since the information your clinician gets from these samples is only as accurate as your collection procedure, it is most important that you collect the urine as follows:

- 1** Begin at the usual time that you wake up.
- 2** At that time, pass your urine, flush it down the toilet and note the exact time. You will now have an empty bladder and an empty bottle. The collection of urine will start from this time. Please note both the date and time on the collection bottle label, where it says 'start date and time'.
- 3** Collect every drop you pass during the day and night, for 24 hours, and finish the collection by passing urine at exactly the same time the next morning. You should add this final specimen to the bottle.
- 4** Keep the sample container cool: closed and protected from light between each time you pass urine.

24 HOUR COLLECTION

- 5** The time you pass the last urine specimen should not vary by more than five or ten minutes from the time of starting the collection the previous day. This is the end of the collection. Please note both the date and time on the collection bottle label, where it says 'finish date and time'.
- 6** Check that the bottle label contains your full name, date of birth and the date of collection.
- 7** Please check that the cap is firmly screwed onto the container. Unfortunately if the urine leaks in transit, the collection will be invalidated and the analysis will not be carried out.
- 8** If more than one 24 hour collection has been asked for, a second collection, into another container, can be begun with the next voiding. Follow the same instructions.

After completing your collection.

Please deliver the sample as soon as possible after completion. Most urine tests will be carried out within a few days, though some can take longer. As soon as we have the results they will be forwarded to your clinician. Finally, many people get their collection wrong despite the best of intentions. It is better to admit this and discard an improperly collected sample rather than hand in a partial sample which would yield an inaccurate result. This would affect important decisions with regard to your treatment.

If you have received a container with ACID for this collection, avoid contact with skin and eyes. Do not discard the fluid. Do not pass urine directly into the container, use a separate container and transfer immediately afterwards. In the event of spillage, dilute contact areas with copious amounts of water.

5H1AA

For 3 days prior to and during the collection you must avoid the following:

- | | | | |
|----------------|----------------------|----------------|--------------------|
| ✘ Avocado | ✘ Pineapple | ✘ Walnuts | ✘ Kiwi fruit |
| ✘ Citrus fruit | ✘ Tomatoes | ✘ Alcohol | ✘ Melons |
| ✘ Grapefruit | ✘ Chocolate | ✘ Coffee | ✘ Red currants |
| ✘ Bananas | ✘ Eggplant/Aubergine | ✘ Tea | ✘ All fruit juices |
| ✘ Dried fruit | ✘ Yellow Plums | ✘ Gooseberries | |

In addition, please abstain from the following medications:

- | | | | |
|--------------------|-------------------|-----------------------|-------------------------|
| 🚫 Acetaminophen | 🚫 Antidepressants | 🚫 Phenothiazine drugs | 🚫 MAO inhibitors |
| 🚫 Iodine solutions | 🚫 Fluorouracil | 🚫 Paracetamol | methocarbamol, |
| 🚫 Muscle relaxants | 🚫 Isoniazid | 🚫 Salicylate | mephenesin, guaifenesin |

If you are on any medication please give the Phlebotomist / Receptionist / Laboratory full details when you return your sample.

24 HOUR COLLECTION

VMA

For 3 days prior to and during the collection you must avoid the following:

- ✘ Foods containing vanilla
- ✘ Tea or coffee
- ✘ Bananas
- ✘ Walnuts
- ✘ Citrus fruits

If you are on any medication please give the Phlebotomist / Receptionist / Laboratory full details when you return your sample.

Oxalate

For 3 days prior to and during the collection you must avoid the following:

- ✘ Cucumbers
- ✘ Rhubarb
- ✘ Asparagus
- ✘ Spinach
- ✘ Tomatoes

If you are on any medication please give the Phlebotomist / Receptionist / Laboratory full details when you return your sample.

HMA

- ⊕ Stop taking Aspirin and Disulfiram 2 days before collection.
- ⊕ Stop taking Levodopa 2 weeks before collection.

If you are on any medication please give the Phlebotomist / Receptionist / Laboratory full details when you return your sample.

Catecholamines

For 2 days prior to and during the collection you must avoid the following:

- ✘ Citrus fruit
- ✘ Bananas
- ✘ Chocolate
- ✘ Walnuts
- ✘ Coffee
- ✘ Tea
- ✘ Vanilla containing foods

In addition, please abstain from the following medications 14 days prior to sample collection:

- ⊕ Acetaminophen
- ⊕ ACE inhibitors
- ⊕ Any Anti-Hypertensive medication
- ⊕ Aspirin/Salicylate
- ⊕ MAO inhibitors
- ⊕ Diuretics
- ⊕ Calcium antagonists

If you are on any medication please give the Phlebotomist / Receptionist / Laboratory full details when you return your sample.



SEMEN SAMPLE

Semen samples need specialist handling within the laboratory. For this reason all requests for semen analysis must be made by appointment. To do so, please contact us directly by telephone **0 208 45 19 373** or e-mail info@medical-diagnosis.co.uk

The results of a semen analysis can be greatly affected by how the semen sample is collected. Please make sure you understand and follow these instructions closely. If you have any questions, comments, or inquiries, call the laboratory for assistance.

Before collecting your semen sample please read these instructions very carefully. It is very important to follow them exactly as failure to do so may result in an inaccurate report and the need to repeat the test. For specimens (semen) to be cultured it is important to empty your bladder before collecting the specimen since the passage of urine will clear the urethra of microbiological contaminating organisms from non-semen sources (e.g. commensal organisms from the skin).

Before sample collection

- ➔ You must not have had sex or masturbated for 48 hours before collecting the sample, but should have had an abstinence period of no longer than 5 days.
- ➔ If additional samples are required, the number of days of sexual abstinence should be as constant as possible at each visit.

Your sample

- ➔ Recommended, specimens should be produced at Medical Diagnosis Ltd.
- ➔ Alternatively, specimens may be produced at home if they can reach the clinic within 30-60 minutes. Samples must be brought in as soon as they are produced, and kept in a pocket close to the body and protect from extreme conditions. Avoid extreme temperatures. Do not drop or shake. Do not place in microwave or refrigerator.
- ➔ If you decide to produce sample at home, please inform us.

Collection of the samples

- ➔ Do not urinate for 2 hours before the test.
- ➔ First collect urethral swab. To collect the sample, gently insert a cotton swab in about 3/4 inch into the urethra and turn. To get a good sample, the test should be done at least 2 hours after urinating.
- ➔ Urinate before collecting the semen sample and collect mid-stream urine sample (minimum 10mL). This step is very important when obtaining a semen sample for microbiology culture. Because normal bacterial flora inhabits the genital tract, passing urine before collecting a semen sample serves to flush-out the normal flora thus preventing possible bacterial contamination.
- ➔ Wash hands and genitals thoroughly and rinse well to remove soap residue, dry thoroughly. Water/urine kills sperm cells.
- ➔ Please do not use any gels, lubricants, oils or saliva, as this will affect the results.

SEMEN SAMPLE

- ➔ Twist open the cover of the sample cup provided and place the cover up-side-down on a clean surface. Collect the sample by manual masturbation. Ejaculate directly into the sterile container. Be sure that the collection is complete and that the entire specimen is collected, especially the first portion.
- ➔ Seal the container immediately after sample collection with the lid; make sure that the lid is on tightly. Do not use adhesive tape.
- ➔ Ensure your name, date of birth plus date and time of production is written on the container label (not on lid).
- ➔ If the specimen cannot be obtained in this way, you can use a special clinical condom which can be used in conjunction with vaginal intercourse. After a sample is obtained, please use the twist tie to close off the top of the condom and place it in the container. A rubber sheath/condom (French letter) must not be used for semen collection as they are harmful to sperm.
- ➔ No other forms of sample collection are acceptable.
- ➔ Take your time, stress can also affect the semen parameters. Evidence shows that semen parameters are optimized if you take at least 10–15 minutes to produce the sample.
- ➔ It is essential that the whole ejaculate is collected, as the first part is often the richest in sperm numbers. Please notify us if you think that some of it has been lost.
- ➔ Please fill out the 'Information Form for Patients Producing Semen Samples'

The container

- ➔ Please use the sterile container provided for you.
- ➔ No other sample container is acceptable.
- ➔ Do not open the container until you are ready to produce the sample.

Delivery of the sample

- ➔ Hand the sample and completed form to one of our staff.
- ➔ Unlabelled specimen pots will not be process.

Vasectomy

- ➔ The first semen specimen should be produced at least 16 weeks after the operation and after producing at least 24 ejaculates.
- ➔ After your operation you may resume having intercourse as soon as you feel able.
- ➔ Use contraception until the doctor who performed the vasectomy operation informs you that the post vasectomy semen samples are clear. If there are still sperm in the specimens your doctor will refer you, if necessary, for further post vasectomy checks until two consecutive specimens are free from sperm.
- ➔ The second specimen should be produced (and brought in) two weeks after the first specimen



STOOL SAMPLE

Stool samples should be delivered as soon as possible as some cannot be analysed if they have been refrigerated. If you can't hand the stool sample in immediately, you should store it in a fridge, but for no longer than 24 hours. Place the container in a sealed plastic bag first. Stool samples must be fresh, if they aren't, the bacteria in them can multiply. This means that the levels of bacteria in the stool sample won't be the same as the levels of bacteria in your digestive system. If the levels of bacteria don't match, the test results may not be accurate.

If you can't hand your stool sample in immediately, find out how long it can be kept in the fridge.

Stool collection procedure:

- ➔ Label the container with your name, date of birth, and the date of the collection.
- ➔ Place something in the toilet to catch the stool, such as a potty or an empty plastic food container, or spread clean newspaper or plastic wrap over the rim of the toilet
- ➔ Obtain a stool sample (do not obtain the specimen from the toilet water).
- ➔ Place a small scoopful of stool into the blue container half a spoon is more than adequate (that's about the size of a walnut).
- ➔ Replace the lid and close securely.
- ➔ Please ensure that the outside of the container is wiped clean.
- ➔ Place the container into the specimen bag and return to the laboratory.
- ➔ Wash your hands thoroughly with soap and warm running water.
- ➔ Stool samples should be delivered as soon as possible as some cannot be analysed if they have been refrigerated. If you can't hand the stool sample in immediately, you should store it in a fridge, but for no longer than 24 hours. Place the container in a sealed plastic bag first.
- ➔ Stool samples must be fresh, if they aren't, the bacteria in them can multiply. This means that the levels of bacteria in the stool sample won't be the same as the levels of bacteria in your digestive system. If the levels of bacteria don't match, the test results may not be accurate.
- ➔ If you can't hand your stool sample in immediately, find out how long it can be kept in the fridge.

MICROBIOLOGY SPECIMEN

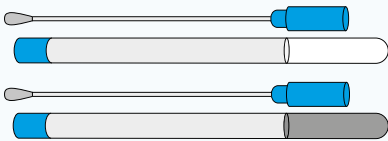


The usefulness of culture result information is directly proportional to the quality of the specimen provided to the laboratory. General guidelines:

- ➔ Collect specimen before antibiotic therapy. If this is not possible, specify antibiotic on requisition.
- ➔ Notation of diagnosis, foreign travel, animal contact, immunosuppressive disease, or suspected organism is helpful.
- ➔ First morning specimens are usually preferred. Avoid contamination of the sample.

BLUE SWAB

Multipurpose culture swabs



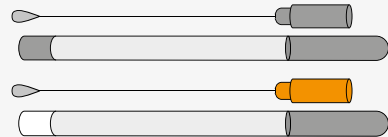
Use for:

- | | |
|---|---|
| <input checked="" type="checkbox"/> wound | <input checked="" type="checkbox"/> throat |
| <input checked="" type="checkbox"/> nostril | <input checked="" type="checkbox"/> rectum |
| <input checked="" type="checkbox"/> eye | <input checked="" type="checkbox"/> vagina, etc |

Not suitable for NAAT and PCR testing.

GRAY / ORANGE SWAB

Multipurpose culture swabs



Use for:

- | | |
|---|--|
| <input checked="" type="checkbox"/> ear | <input checked="" type="checkbox"/> urethra, etc |
|---|--|

Not suitable for NAAT and PCR testing.

CHLAMYDIA SWAB

Chlamydia antigen screen



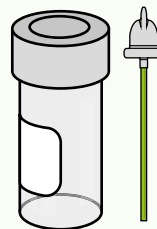
Dry swab.

Not suitable for bacterial culture

Not suitable for NAAT and PCR testing

PAP TEST & PCR TESTING

Thin prep cytology and NAAT



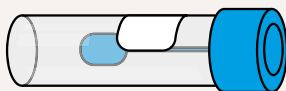
Use for:

- | |
|---|
| <input checked="" type="checkbox"/> PAP test |
| <input checked="" type="checkbox"/> viral and bacterial PCR testing |

Not suitable for bacterial culture

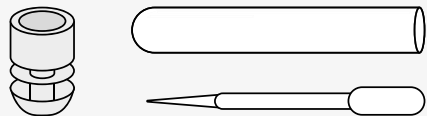
FAECES

OCP, culture, FOB and PCR



Specimen volume: **half a spoon is more than adequate.**

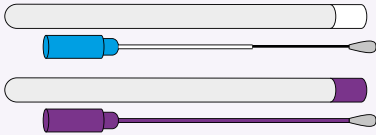
SERUM SEPARATION



MICROBIOLOGY SPECIMEN

VIRAL & BACTERIAL PCR TESTING

NAAT



Dry swab.

Use for:

- ✓ viral and bacterial PCR testing

Not suitable for bacterial culture.

MYCOLOGY

Microscopy, culture and PCR



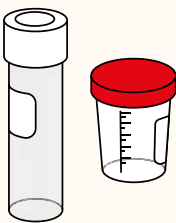
Use for:

- ✓ skin scrapings
- ✓ nail clippings, etc

Not suitable for bacterial culture

URINE

Urine examination, culture, drugs, minerals and PCR

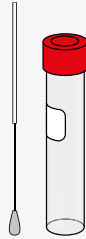


Use for:

- ✓ urine analysis and culture first morning, midstream clean catch specimen (minimal volume: 10mL)

- ✓ Chlamydia Ag - first morning, first catch specimen (minimal volume: 20mL)
- ✓ Mycoplasma/Ureaplasma: first morning, first catch specimen (minimal volume: 20mL)
- ✓ PCR: first morning, first catch specimen (minimal volume: 20mL)

VIRAL TRANSPORT MEDIUM

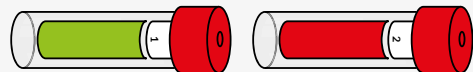


Use for:

- ✓ transport viruses
- ✓ chlamydiae
- ✓ mycoplasmas and ureaplasmas at room temperature

DIP SLIDE

Urine culture



Dip Slide contain cultures media. The aim is to wet both sides of the Dip Slide with a mid-stream specimen of urine. This can be achieved in either of two ways:

- ✓ by collecting a mid-stream specimen in a sterile container and then dipping the Dip Slide in the urine,
- ✓ an alternative "dip-stream" procedure: the patient begins to urinate and after the stream is well established, the Dip Slide is held into sufficiently to thoroughly wet each side.

The Dip Slide is held vertically for a moment to allow surplus urine to drain off the tip, and then returned to its sterile plastic container. Care must be taken not to touch the agar surface. The patient should be carefully instructed in the technique to follow. The patient's name and details of date and time etc. are noted on the label of the container and the Dip Slide is either posted or taken to a laboratory for subsequent incubation and examination. Samples should be delivered within 24 hours and stored in room temperature.



MICROBIOLOGY TARGETS

➔ Ear swab culture

Container:

Swab: amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium

Storage conditions:

Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism:

Pseudomonas spp.; *Staphylococcus aureus*; *Streptococcus* of Lancefield group A, C, G; *Candida* spp.; *Haemophilus influenzae*.; Other organisms in pure growth may be significant.

Patient preparation/Remarks/comments:

Swab any pus or exudates. Before antimicrobial therapy where possible.

➔ Eye swab culture

Container:

Swab: amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium.

Storage conditions:

Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism:

Pseudomonas spp.; *Staphylococcus aureus*; *Streptococcus* of Lancefield group A, C, G; *Candida* spp.; *Haemophilus influenzae*.; Other organisms in pure growth may be significant.

Patient preparation / Remarks / comments:

Before antimicrobial therapy where possible, and preferably before application of local anaesthetic. Any available pus should be sampled as well as the lesion of interest.

➔ GBS: Vaginal swab AND Rectal swab

Container: Swab: amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium

Storage conditions: Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism: *Streptococcus* of Lancefield group B

Patient preparation / Remarks / comments: Collect specimens before antimicrobial therapy where possible. Swab the lower vagina (vaginal introitus) and the rectum with the same swab or two different swabs.

➔ Genital swab culture – female: LVS or HVS or Cervical swab

Container: Swab: amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium.

Storage conditions: Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism: *Streptococcus* of Lancefield group B; *Candida* spp.; *Staphylococcus aureus*; *Neisseria gonorrhoeae*; *Trichomonas vaginalis*; *Gardnerella vaginalis*; Genital swab culture include – microscopic examination of slide (wet preparation and gram stain). Other organisms in pure growth may be significant.

Patient preparation / Remarks / comments: Collect specimens before antimicrobial therapy where possible. Ideally, inoculation of specimens for *N. gonorrhoeae* is made directly to culture media at the bedside and incubated without delay. Transport time should be as short as possible.

MICROBIOLOGY TARGETS

Genital tract swabs

Cervical and high vaginal swabs should be taken with the aid of a speculum. It is important to avoid vulval contamination of the swab. For *Trichomonas*, the posterior fornix, including any obvious candidal plaques should be swabbed. If pelvic infection, including gonorrhoea, is suspected, the cervical os should be swabbed.

High vaginal swabs

After the introduction of the speculum, the swab should be rolled firmly over the surface of the vaginal vault.

Cervical swabs

After introduction of the speculum to the vagina, the swab should be rotated inside the endocervix.

Urethral swabs

Contamination with micro-organisms from the vulva or the foreskin should be avoided.

➔ Genital swab culture – male: Urethral swab or Penile swab

Container: Swab: amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium.

Storage conditions: Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism: Streptococcus of Lancefield group B; *Candida* spp.; *Staphylococcus aureus*; *Neisseria gonorrhoeae*; *Trichomonas vaginalis*; Genital swab culture include - microscopic examination of slide (wet preparation and gram stain). Other organisms in pure growth may be significant.

Patient preparation / Remarks / comments: Collect specimens before antimicrobial therapy where possible. Ideally, inoculation of specimens for *N. gonorrhoeae* is made directly to culture media at the bedside and incubated without delay. Transport time should be as short as possible.

Urethral swabs

Contamination with micro-organisms from the vulva or the foreskin should be avoided. Thin swabs are available for collection of specimens. The patient should not have passed urine for at least 1 hour. For males, if a discharge is not apparent, attempts should be made to "milk" exudate from the penis. The swab is gently passed through the urethral meatus and rotated.

➔ Nasal swab culture

Container: Swab: amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium

Storage conditions: Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism: Streptococcus of Lancefield group A, C, G; *Candida* spp.; *Haemophilus influenzae*.; *Staphylococcus aureus*

Patient preparation / Remarks / comments: Collect specimens before antimicrobial therapy where possible. Plain sterile cotton wool swab. Sample the anterior nares by gently rotating the swab over the mucosal surface.

MICROBIOLOGY TARGETS

➔ Skin swab culture

Container: Swab; amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium.

Storage conditions: Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism: Staphylococcus aureus; Candida spp.; Streptococcus of Lancefield group A; Pseudomonas spp.; Other organisms in pure growth may be significant.

Patient preparation / Remarks / comments: Collect specimens before antimicrobial therapy where possible.

➔ Throat swab culture

Container: Swab; amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium

Storage conditions: Specimens should be transported and processed as soon as possible. If processing is delayed, refrigeration is preferable to storage at ambient temperature. Delays of over 48hr are undesirable.

Target organism: Streptococcus group A, C, G.; Candida spp.

Patient preparation / Remarks / comments: Recommended is to collect swab fasting, morning, before use hygiene measures. Throat swab taken from the tonsillar area and/or posterior pharynx, should be taken avoiding the tongue and uvula.

➔ Slide - gram stained : Vaginal smear

Container: Slide

Storage conditions: 20-25°C (5d)

Target organism: Trichomonas vaginalis; Lactobacillus spp.; Epithelial; WBC; RBC; Yeast; Bacteria

Patient preparation / Remarks / comments: Please do not use any fixatives.

➔ Urine culture: first morning midstream clean catch or random specimen midstream clean catch

Container: Clean, dry, sterile urine container

Storage conditions: 2-8°C (2-4h); Dip-slide: 20-25°C (24h)

Target organism: Staphylococcus aureus; Staphylococcus saprophyticus; Escherichia coli; Klebsiella spp.; Pseudomonas spp.; Enterococcus spp.; Candida spp.; Proteus spp.

Patient preparation / Remarks / comments: Minimal urine volume for adult is 10mL.

➔ Urine examination: - first morning midstream clean catch - first morning midstream - random midstream

Container: Clean, dry urine container

Storage conditions: 2-8°C (1-8h); 20-25°C (1-3h)

Patient preparation / Remarks / comments: Minimal urine volume for adult is 10mL.

➔ Semen analysis

Container: Clean, dry urine container

Storage conditions: 30 minutes 35-37°C

Patient preparation / Remarks / comments: Please see instruction for collection of semen samples.

MICROBIOLOGY TARGETS

➔ Semen culture: Please collect in the following sequence: 1. urethral swab 2. Urine 3. Semen

Container: Swab: amies transport medium with charcoal; stuart transport medium with charcoal; amies transport medium; stuart transport medium. Clean, dry, sterile urine container

Storage conditions: n/a

Target organism: Streptococcus of Lancefield group A, B; Candida spp.; Staphylococcus aureus; Neisseria gonorrhoeae; Enterococcus spp.; Other organisms in pure growth may be significant.

Patient preparation / Remarks / comments: Please see instruction for collection of semen samples. At the same time please perform urine culture and urethral swab culture.

➔ Faecal occult blood: Stool sample (half a spoon is more than adequate)

Container: Clean, dry stool container with spoon

Storage conditions: 20–25°C (24h); 2–8°C (1w); –20°C (2w)
Protect from light and heat.

Patient preparation / Remarks / comments: 3 samples recommended. Two days prior to and during the test period such medications should be avoided: aspirin, corticosteroids, reserpine phenylbutazone, etc. Patients with bleedings (hemorrhoids, dental work, constipation, menstrual bleeding) should not be tested while such conditions are present. Do not collect a specimen if patient is using rectal preparations. For three days before and during the stool collection period, avoid red meats, raw fruits and vegetables (turnips, broccoli, horseradish, cauliflower, cantaloupe, parsnips, red radish etc.). Eat a well balanced diet including fiber such as bran cereals, fruits and vegetables.

➔ Parasites, ova, cysts: Stool sample (half a spoon is more than adequate)

Container: Clean, dry, sterile stool container with spoon

Storage conditions: 2–8°C (2d formed, 1h liquid); 20–25°C (1d mature forms)

Patient preparation/Remarks/comments: 3 samples recommended

➔ Chlamydia trachomatis antigen: Vaginal swab or First catch urine

Container: Dry swab or clean, dry, sterile urine container

Storage conditions: 20–25°C (4–6h); 2–8°C(1–3d) Do not freeze. Urine: 2–8°C (24h)

Target organism: Chlamydia trachomatis

Patient preparation / Remarks / comments: Minimal urine volume is 10mL. Patient should be instructed not to urinate for at least one hour prior to specimen collection.

➔ Calprotectin test: Fresh stool (half a spoon is more than adequate)

Container: Clean, dry, sterile stool container with spoon

Storage conditions: Stool sample: 20–25°C (24h), 2–8°C (6d); Extracts: 2–8°C (7d), –20°C (1y)

Patient preparation / Remarks / comments: Stool samples must be taken as soon as the symptoms appear. Patients suffering from menstrual period, bleeding hemorrhoids, blood in urine or strain during bowel movement should not collect samples.

➔ Giardia intestinalis antigens: Fresh stool (half a spoon is more than adequate)

Container: Clean, dry, sterile stool container with spoon

Storage conditions: 2–8°C (2d); –20°C (1y)

Target organism: Giardia intestinalis

Patient preparation / Remarks / comments: Avoid repeated freezing and thawing.

MICROBIOLOGY TARGETS

➔ **Helicobacter pylori antigens: Stool sample (half a spoon is more than adequate)**

Container: Clean, dry, sterile stool container with spoon

Storage conditions: 20-25°C (6h); 2-8°C (3d); -20°C (1y)

Target organism: Helicobacter pylori

Patient preparation/Remarks/comments: Avoid repeated freezing and thawing.

➔ **Rota-Adenovirus: Stool sample (half a spoon is more than adequate)**

Container: Clean, dry, sterile stool container with spoon

Storage conditions: 20-25°C (24h); 2-8°C (2d); -20°C (1y)

Target organism: Rotavirus. Adenovirus.

Patient preparation / Remarks / comments: Specimen should be tested as soon as possible after collection. Stool samples should be taken as soon as the symptoms of rotavirus infection appear. Avoid repeated freezing and thawing.

Please note: TAT of microbiological culture might be extended in the following reason: multidrug-resistant pathogen isolated and/or re-culture or referral laboratory confirmation required.

Urine examination groups classification per field:

	Not seen / [-]	Few / [+]	Moderate / [++]	Many / [+++]
Crystals	0 / h.p.f.	1-4 / h.p.f.	5-10 / h.p.f.	>10 / h.p.f.
Bacteria	0 / h.p.f.	1-25 / h.p.f.	26-50 / h.p.f.	>50 / h.p.f.
Yeast	0 / h.p.f.	1-5 / h.p.f.	6-10 / h.p.f.	>10 / h.p.f.
Epithelial cells	0 / h.p.f.	1-4 / h.p.f.	5-10 / h.p.f.	>10 / h.p.f.

Magnification: h.p.f. - x400, l.p.f. - x100

Gram stained slide groups classification per field:

	Not seen / [-]	Few / [+]	Moderate / [++]	Many / [+++]
Bacteria	0 / p.f.	1-10 / p.f.	11-50 / p.f.	>50 / p.f.
Yeast	0 / p.f.	1-3 / p.f.	4-10 / p.f.	>10 / p.f.
Epithelial cells	0 / p.f.	0-1 / p.f.	1-2 / p.f.	>2 / p.f.

Magnification: x1000



BLOOD SAMPLE

Certain analyses require containers with preservative and/or anticoagulants, while others do not. Using the wrong container often leads to erroneous results. Blood collection tubes must be drawn in a specific order to avoid cross-contamination of additives between tubes. Tubes with additives must be thoroughly mixed by inversion. Erroneous test results may be obtained when the blood is not thoroughly mixed with the additive.

Ensure that the tubes are securely stoppered, placed in plastic bags or a rack for delivery to the laboratory and adequate arrangements are made for rapid dispatch of the specimens to the laboratory.

Valid measurement of analytes in serum or plasma requires prompt separation from the blood cells. Serum/plasma should be separated from the cellular components or clot within half an hour of being drawn (centrifuge), using SST or transferred to appropriately labeled clean, plastic tube, kept tightly closed and storage in conditions specified by laboratory.

Anticoagulant	Mix	Mode of action	Uses
1. CITRATE	✓	forms calcium salts to remove calcium	coagulation tests, full draw required
	✓	<p>Sample handling instructions: Centrifuge immediately after drawing the blood. Gently invert the tube eight (8) times immediately after collection to evenly distribute the additive. Immediately centrifuge at 2000g for 10-15 minutes. The centrifuge RPMs will differ depending on the centrifuge and rotor used. Follow the manufacturer's or laboratory's recommendations. Carefully remove the cell-free supernatant plasma and place it in a properly labelled polypropylene test tube. Contact the laboratory if you are having difficulty centrifuging specimens. Store at 2-8°C. Protect from light.</p>	
2. NONE	✗	blood clots, and the serum is separated by centrifugation	chemistries, immunology and serology, blood bank [crossmatch]
	✗	<p>Sample handling instructions: Do not centrifuge immediately after drawing the blood (wait 20-30 minutes). Do not allow the blood to clot with the tube in a horizontal position. Do not allow the tube to stand more than one hour before centrifuging. All specimens should be separated from the clot and placed into a transport tube. Centrifuge the tube for 10-15 minutes at about 2000g. The centrifuge RPMs will differ depending on the centrifuge and rotor used. Follow the manufacturer's or laboratory's recommendations. Contact the laboratory if you are having difficulty centrifuging specimens. Store at 2-8°C. Protect from light.</p>	

BLOOD SAMPLE

Anticoagulant	Mix	Mode of action	Uses
3. SST / GEL		serum separator tube (SST) contains a gel at the bottom to separate blood from serum on centrifugation	chemistries, immunology and serology
	⊗	<p>Sample handling instructions:</p> <p>Do not centrifuge immediately after drawing the blood (wait 20-30 minutes). Do not allow the blood to clot with the tube in a horizontal position. Do not allow the tube to stand more than one hour before centrifuging. Centrifuge the tube for 10-15 minutes at about 2000g. The centrifuge RPMs will differ depending on the centrifuge and rotor used. Follow the manufacturer's or laboratory's recommendations. The gel barrier will form, separating the serum from the clot. After centrifugation, the gel should be intact and the cells and serum completely separated. Do not re-centrifuge the tube if the barrier is incomplete. Contact the laboratory if you are having difficulty centrifuging specimens. Specimens transported by mail or stored more than eight hours should be separated from the clot and placed into a transport tube. Store at 2-8°C. Protect from light.</p>	
4. SODIUM HEPARIN	✔	inactivates thrombin and thromboplastin, plasma is separated with plasma separating tube gel at the bottom of the tube	chemistries, for lithium level, use sodium heparin, for ammonia level, use sodium or lithium heparin
5. LITHIUM HEPARIN	✔		
6. EDTA		forms calcium salts to remove calcium	hematology (CBC) and blood bank (crossmatch), requires full draw – invert several times to prevent clotting and platelet clumping
	✔	<p>Sample handling instructions:</p> <p>Do not centrifuge. Gently invert the tube eight (8) times immediately after collection to evenly distribute the additive. Store at 2-8°C. Protect from light.</p>	
7. ACID CITRATE DEXTROSE	✔	complement inactivation	HLA tissue typing, paternity testing, DNA studies
8. THROMBIN	⊗	quickly clots blood	STAT serum chemistries
9. SODIUM CITRATE (BUFFERED)	✔	forms calcium salts to remove calcium	Erythrocyte Sedimentation Rate, requires full draw
10. FLUORIDE OXALATE		sodium fluoride and potassium oxalate. antiglycolytic agent preserves glucose up to 2 days	glucoses, requires full draw (may cause hemolysis if short draw)
	✔	<p>Sample handling instructions:</p> <p>Do not centrifuge. Gently invert the tube eight (8) times immediately after collection to evenly distribute the additive. Store at 2-8°C. Protect from light.</p>	

SAMPLES INFO

Capillary sampling recommendations

Clearly complete the name label using a ball point pen with your full name, date of birth and collection date. Do not affix the label to the blood collection tube until after collection your sample, to be able to see how much blood you have collected.

- ➔ Perform hand hygiene in warm soapy water. Dry them thoroughly with single-use towels. It is much easier to collect your sample if hands are warm.
- ➔ Select finger: middle or ring finger is preferable. The fifth finger must not be punctured because the tissue depth is insufficient to prevent bone injury. Cleanse the puncture site using an alcohol pad. The site must be allowed to air dry in order to provide effective disinfection, and to prevent possible hemolysis or erroneous results.
- ➔ Remove one lancet from the bag. Twist off blue protective cap and pull it straight out. Position the safety lancet firmly against the puncture site as illustrated. Hold lancet between fingers. To activate, press safety lancet firmly against the puncture site. Do not remove the device from the site until an audible click is heard. Should you need to repeat the process to help obtain enough blood use one of the remaining lancets.
- ➔ This will puncture the skin and a small drop of blood will form. Wipe away the first drop of blood with a dry swab.
- ➔ Holding your hand downwards, firmly massage the site of your hand down to your little finger to encourage blood flow. Avoid squeezing the finger too tightly. Take your little finger with the other hand and gently milk your hand and little finger to help the blood drop into the blood collection tube. Fill the blood collection tube to the upper line the side of the tube (If you are unable to collect enough blood use the second lancet on your little finger on the other hand. Alternatively, try wiping the little finger you have been using with a dry swab. Pause for 5-10 seconds and blood drops are likely to reform, and you can start collecting again.)
- ➔ Once you have filled up to the top fill line stop collecting and apply the supplied spot plaster to stop bleeding. Then push on the stopper in the tube securely. Once you have replaced the cap, gently invert the collection tube for 5-10 times.
- ➔ Affix the label with the patient details (full name and date of birth), then place the tube in the small specimen bag. Place the tube in the plastic protective packing wallet. Next, place the plastic wallet in the specimen bag with absorbent and pack into the enclosed envelope and post. Unlabelled samples cannot be accepted.
- ➔ Dispose of waste materials appropriately. Please send back used lancets.
- ➔ Perform hand hygiene.
- ➔ Envelope contents checklist: request form (please complete the grey fields only); labelled blood collection tubes in the protective packing wallet; used lancets.

SAMPLES INFO

SARS CoV-2 samples requirements

The test should be used for:

- ➔ Diagnose/Screen

a) follow your doctor's advice **b)** exposure: wait until five days after you've been exposed **c)** screen: not specified

- ➔ Use required PPE.
- ➔ Please check the swab (VTM) expiry date before use.
- ➔ Ask patient to blow their nose into a tissue if able.
- ➔ Do NOT pre-moisten the swab in the transport medium.
- ➔ Insert the dry viral swab into the mouth, and swab the posterior pharynx and tonsillar areas. Avoid the tongue.
- ➔ Using the same swab, insert the swab through the right nostril.
- ➔ Rotate the swab a few times and leave it in place for a few seconds. Insert the swab into the left nostril and repeat the procedure.
- ➔ Remove the swab and package the specimen up.
- ➔ Place the swab in the sample tube, snap it off at the score line and replace the cap.
- ➔ Label the VTM tube with patient details of name/date of birth.
- ➔ Follow specimen packing and transportation procedures.

Sample packing

All samples must be packed to avoid container breakage, sample loss and contamination through leakage. You should be aware of your responsibility for the correct packaging of samples.

- ➔ Every sample must be enclosed in a suitable, leak proof, primary container.
- ➔ The sample must be packed inside leak proof bag.
- ➔ The request form must be separated from the specimen. In most cases the request form can be placed in the separate pocket of the transport bag, but for larger containers the request form should be securely taped to the outside of the sack.
- ➔ The request form should not be attached to the sample container or be used as a sample label.
- ➔ Any labels and stickers used must be self-adhesive.
- ➔ Pins, staples, and heat sealed bags should not be used.
- ➔ Plastic transport bags must not be re-used.
- ➔ Sending sharps to the laboratory is strictly prohibited.

SAMPLES INFO

Specimen transport

Collected specimens should be immediately delivered to the laboratory. In a case of inability to deliver sample immediately, that samples must be transported to the laboratory:

- ➔ within the time frame appropriate to the nature of the requested examination,
- ➔ within the temperature range specified in tests instructions,
- ➔ in a manner that complies with all applicable safety requirements.

Use only packs suitable for the carriage of samples. These must be appropriate packed and labelled.

For more information please visit:

www.royalmail.com/sites/default/files/Guidance-Documents-Infectious-Substances-171012.pdf

Use only packs suitable for the carriage of samples. These must be appropriate packed and labelled with 'Biological Substance Category B' and must display the UN3373.

Reference ranges and specimens stability

All information about reference ranges and specimen's stability are placed in Appendix no. 4 and 5 and are available upon request.

Reports

Reports are clear, unambiguous and contain sufficient information to enable the user to interpret the results and are designed to comply with the ISO 15189 standard.

Tests reports are delivered via e-mail and by any other means (fax, hard copy) if deemed necessary and where reasonably possible.

Advisory services and interpretation

- ➔ The laboratory ensures that advice on investigations and the interpretation of results meets the needs of patients.
- ➔ The laboratory ensures that users have access to laboratory advice during opening hours.

SAMPLES INFO

- ➔ The laboratory ensures that all comments are clear, succinct, unambiguous and relevant to the user in the treatment of the patient.
- ➔ The laboratory ensures that there is systematic communication between laboratory staff and clinical staff to promote effective utilisation of laboratory services and to consult on scientific and logistic matters.

Comments and advice is given only by suitably qualified medical staff.

Medical Diagnosis ensures that all results are accompanied with reference ranges. If you require any additional information please do not hesitate to contact with us.

Referral laboratories

The laboratory collaborates with referral laboratories in order to execute specialist tests.




Rejection/pre-analytical error

All specimens, request forms must meet the requirements before being accepted to process by the Medical Diagnosis. Criteria for specimen rejection are dependent on individual tests. Proper specimen procurement and handling are part of obtaining valid, timely laboratory results. All specimens delivered to the laboratory must meet defined acceptance criteria for quality, identification/labeling, collection, transport, storage, volume and container type in order to be processed. If the specimen, request form does not meet the requirements laboratory has the right to reject sample(s) and the requesting physician or clinic staff will be contacted/informed to define the problem and undertake corrective actions.

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Screening profiles

ANAEMIA PROFILE I	SP1	E S	⌚ 4 hours	£68
		FBC + differential ESR	Iron Ferritin	TIBC UIBC
ANAEMIA PROFILE II	SP2	E S	⌚ 4 hours	£68
		FBC + differential ESR	Iron Folate	Vitamin B ₁₂
ANAEMIA PROFILE III	SP3	E S	⌚ 4 hours	£96
		FBC + differential ESR Iron	Ferritin Transferrin Transferrin saturation	TIBC UIBC Folate Vitamin B ₁₂
ANTENATAL PROFILE	SP4	E E E S G RU	⌚ 2-5 days ³ 	£146
		FBC + differential Urine examination	Atypical Ab screen Blood group	Syphilis Ab Iron TSH Glucose
BONE PROFILE	SP5	S	⌚ 4 hours	£36
		Total protein Albumin Globulin	Calcium Inorganic phosphate ALP	Urea and electrolytes
CARDIAC PANEL I	SP6	S	⌚ 4 hours	£42
		AST LDH CPK	Magnesium Sodium Potassium	Lipid profile Urea and creatinine Uric acid
CARDIAC PANEL II	SP34	E S	⌚ 4 hours	£101
		FBC + differential AST LDH CPK	CRP high sensitive Glucose HbAc Magnesium	Sodium Potassium Lipid profile TSH Urea and creatinine Uric acid
CARDIAC PANEL III	SP35	S C	⌚ 2-5 days ³	£101
		Apolipoprotein A1 Apolipoprotein B	Lipoprotein (a) CRP high sensitive	Homocysteine Fibrinogen
COAGULATION PROFILE I	SP7	C	⌚ 4 hours  	£41
		aPTT	Prothrombin time + INR	




Screening profiles

NEW!	COAGULATION PROFILE II	SP37	C	4 hours	 	£56
			aPTT	Fibrinogen	Prothrombin time + INR	
	COELIAC PROFILE	SP8	S	2-10 days		£136
			Endomysial IgA Reticulin IgA	Gliadin IgA Immunoglobulin A	tTG IgA Gliadin IgG	
	COMPREHENSIVE PROFILE	SP9	E S G	4 hours		£99
			Full biochemistry & haematology profile Thyroid profile III Bilirubin direct	Bilirubin indirect Amylase C-reactive protein (CRP) LDH	Magnesium Ferritin	
	COMPREHENSIVE PROFILE +	SP10	E S G	4 hours		£126
			Comprehensive profile ft ₃	Bicarbonate Chloride	Anion gap Lipase	
	DEPRESSION PROFILE	SP36	E E S G	4 hours		£156
			FBC + differential Glucose HbA _{1c} Total cholesterol	HDL-cholesterol Rheumatoid factors Vitamin B ₁₂ TSH	ft ₄ LH FSH PRG	<input checked="" type="checkbox"/> Estradiol <input checked="" type="checkbox"/> Testosterone
	DIABETES PROFILE I	SP11	E S G	4 hours		£57
			Glucose HbA _{1c}	Urea Creatinine	Lipid profile	
	DIABETES PROFILE II	SP12	E S G RU	4 hours		£92
			Glucose HbA _{1c}	Urea Creatinine	Lipid profile Urine total protein	Urine examination
	FULL BIOCHEMISTRY	SP13	S G	4 hours		£43
			ALT Albumin ALP AST Calcium CK	Creatinine Total protein Globulin Glucose Inorganic phosphate Bilirubin total	Total cholesterol HDL-cholesterol LDL-cholesterol Non-HDL Triglycerides Iron	GGT Sodium Potassium Urea Uric acid

Screening profiles

FULL BIOCHEMISTRY & HAEMATOLOGY PROFILE	SP14	E S G	⌚ 4 hours	£65
		Full biochemistry profile	Haematology profile	
FULL BIOCHEMISTRY & HAEMATOLOGY PROFILE & CRP	SP15	E S G	⌚ 4 hours	£73
		Full biochemistry profile	Haematology profile	CRP
FULL HEALTH ASSESSMENT MEN	SP16	E S G F	⌚ 1-5 days ³	£146
		Comprehensive profile +	PSA	FOB
FULL HEALTH ASSESSMENT WOMEN	SP17	E S G TP F	⌚ 2-10 days ³	£181
		Comprehensive profile +	Cervical cytology	FOB
HAEMATOLOGY PROFILE	SP18	E	⌚ 4 hours	£34
		Full blood count	Differential	ESR
HEPATIC PROFILE LIVER FUNCTION TESTS	SP19	S	⌚ 4 hours	£35
		Total protein Albumin Globulin	ALP ALT AST	GGT Bilirubin total Bilirubin direct Bilirubin indirect LDH
NEW! IMPOTENCE PROFILE - ERECTILE DYSFUNCTION	SP20	S G	⌚ 4 hours	£99
		SHBG PRL Testosterone	Testosterone free (calculated) TSH	Lipid profile Glucose Free Androgen Index Albumin
NEW! IRON STATUS PROFILE	SP21	S	⌚ 4 hours	£54
		Iron Ferritin	Transferrin Transferrin saturation	TIBC UIBC
LIPID PROFILE	SP22	S	⌚ 4 hours	£30
		Cholesterol total	HDL-cholesterol	LDL-cholesterol Triglycerides
LIVER, PANCREAS & STOMACH	SP23	S	⌚ 2-5 days ³	£155
		Hepatic profile (LFT) Lipase	Amylase Helicobacter pylori IgG	Protein electrophoresis CEA

Screening profiles

PEDIATRIC PROFILE	SP24	E S G	⌚ 4 hours	£59
		Haematology profile ALT ALP AST Calcium Creatinine	Total cholesterol Iron GGT Total protein Glucose Inorganic phosphate	Bilirubin total Urea Uric acid CRP Sodium Potassium
PEDIATRIC PROFILE II	SP25	E S G	⌚ 4 hours	£91
		Pediatric profile	Immunoglobulin E	
PRE OPERATION PROFILE	SP26	E E S C G	⌚ 1-4 days   	£195
		Haematology profile Coagulation profile I Blood group + Rh	Glucose Creatinine Urea	Sodium Potassium Chloride
PROSTATE PROFILE	SP27	S	⌚ 1-5 days	£61
		PSA	PSA free PSA ratio	
RHEUMATOID PROFILE I	SP28	E S	⌚ 2-5 days ³	£66
		Haematology profile ANA	CRP Rheumatoid factor	Uric acid
RHEUMATOID PROFILE II	SP29	E S S	⌚ 2-10 days ³	£199
		Rheumatoid profile I RF ds-DNA antibodies Anti-ENA Anti-Sm	Anti-Ro (SS-A) Anti-La (SS-B) Anti-Jo-1 Anti-RNP Centromere antibodies Histones antibodies	Complement C3 Complement C4 Cardiolipin IgG IgM IgA
RISK OF OVARIAN MALIGNANCY ALGORITHM	SP30	S	⌚ 2-5 days	£83
		CA 125	HE4 ROMA	
HEALTH SCREENING PROFILE	SP38	E S G	⌚ 4 hours	£156
		Full biochemistry & haematology profile Thyroid profile III HbA1c Amylase	C-reactive protein (CRP) Lipase Vitamin D 25-OH	

Screening profiles

<p>SHORT BIOCHEMISTRY PROFILE</p>	<p>SP31</p>	<p>S</p> <p>ALT ALP AST Calcium Creatinine</p>	<p>⌚ 4 hours</p> <p>Total cholesterol Triglycerides Iron GGT Total protein</p>	<p>£34</p> <p>Glucose Inorganic phosphate Bilirubin total Urea Uric acid</p>
<p>SHORT BIOCHEMISTRY & HAEMATOLOGY PROFILE</p>	<p>SP32</p>	<p>E S G</p> <p>Short biochemistry profile</p>	<p>⌚ 4 hours</p> <p>Haematology profile</p>	<p>£54</p>
<p>UREA & ELECTROLYTES PROFILE</p>	<p>SP33</p>	<p>S</p> <p>Creatinine Urea</p>	<p>⌚ 4 hours</p> <p>Chloride Sodium</p>	<p>£30</p> <p>Potassium</p>
<p>NEW! TESTICULAR TUMOR PROFILE</p>	<p>SP39</p>	<p>S</p> <p>hCG+β</p>	<p>⌚ 2-5 days</p> <p>LDH</p>	<p>£77</p> <p>AFP</p>
<p>NEW! HAIR LOSS PROFILE</p>	<p>SP40</p>	<p>E S G</p> <p>Haematology profile Glucose ALT ALP AST GGT Proteins Total</p>	<p>⌚ 1-10 days</p> <p>Albumin Globulin Bilirubin Total Sodium Potassium Urea Creatinine</p>	<p>£211</p> <p>Thyroid profile III Testosterone SHBG FAI Basic Vitamin Screen II Ferritin Zinc</p>

Endocrinology & fertility

	AMENORRHEA PROFILE	HP1	S	⌚ 4 hours	£86		
			FSH	LH	E ₂	PRL	
NEW!	ANDROPAUSE PROFILE	HP2	S	⌚ 4 hours	£122		
			DHEA-S	E ₂	Free testosterone	[calculated]	
			FSH	Free Androgen Index			
			Testosterone	LH			
			Albumin	SHBG			
	FSH LH PROFILE	HP3	S	⌚ 4 hours	£60		
			FSH	LH			
	HIRSUTISM PROFILE	HP4	S	⌚ 4 hours	£112		
			LH	FSH	Testosterone	SHBG	
			PRL	Free Androgen Index	fT ₄		
	INFERTILITY PROFILE FEMALE	HP5	S	⌚ 4 hours	£99		
			FSH	LH	E ₂	PRL	PRG
	INFERTILITY PROFILE MALE	HP6	S	⌚ 4 hours	£99		
			LH	PRL	FSH	Testosterone	SHBG
	MENOPAUSAL PROFILE	HP7	S	⌚ 4 hours	£88		
			LH	FSH	E ₂	TSH	
	POLYCYSTIC OVARY SYNDROME PROFILE I	HP15	S G	⌚ 4 hours	£137		
			Glucose	LH	Testosterone		
			Lipid profile	Fasting insulin resistance	SHBG		
			TSH	index (FIRI)	Free Androgen Index		
			fT ₄	FSH	Insulin		
NEW!	POLYCYSTIC OVARY SYNDROME PROFILE II	HP16	E S G	⌚ 1-5 days ³	£409		
			Glucose	Cortisol	SHBG		
			HbA1c	Albumin	Free Androgen Index		
			Lipid profile	Free testosterone	Androstenedione		
			Anti-Mullerian Hormone	[calculated]	17-OH PRG		
			TSH	Insulin	Fasting insulin resistance		
			fT ₄	PRL	index (FIRI)		
			LH	DHEA-S			
			FSH	Testosterone			

Endocrinology & fertility



































TESTOSTERONE & SHBG	HP8	S	⌚ 4 hours	£65
		Testosterone	SHBG	FAI
THYROID PROFILE I	HP9	S	⌚ 4 hours	£60
		TSH	ft ₄	ft ₃
THYROID PROFILE II	HP10	S	⌚ 4 hours	£79
		TSH	ft ₄	ft ₃ TPO Ab or TG Ab
THYROID PROFILE III	HP11	S	⌚ 4 hours	£45
		TSH	ft ₄	
THYROID PROFILE IV	HP12	S	⌚ 4 hours	£136
		TSH ft ₄	ft ₃ TPO Ab	TG Ab T ₃ T ₄
THYROID PROFILE V	HP13	S	⌚ 4 hours	£95
		TSH ft ₄	ft ₃ TPO Ab	TG Ab
THYROID ANTIBODIES	HP14	S	⌚ 4 hours	£60
		TPO Ab	TG Ab	

PRICE LIST

Sexual health & Microbiology

BLOODBORNE PATHOGENS	SH1	S HAV Ab HBc Ab	2-5 days HIV Ab + p24 Ag HBs Ag	HCV Ab Syphilis Ab £127
GYNE PROFILE	SH2	BS + PCR or FU GS + PCR or FU Incl. Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)	2-7 days Genital swab culture	£99 Gram examination Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR Mycoplasma genitalium PCR Trichomonas vaginalis PCR
GYNE PROFILE PLUS	SH27	BS + PCR or FU GS + PCR or FU Incl. Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)	2-7 days Genital swab culture	£145 Gram examination Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR Mycoplasma genitalium PCR Mycoplasma hominis PCR Ureaplasma urealiticum PCR Ureaplasma parvum PCR Trichomonas vaginalis PCR
HEPATITIS A PROFILE	SH3	S HAV IgM	2-5 days HAV Ab	£69
HEPATITIS B PROFILE	SH4	S HBs Ag HBe Ag	2-5 days HBc IgM HBc Ab	£99 HBe Ab HBs Ab
HEPATITIS A B C PROFILE	SH5	S HAV IgM HAV Ab	2-5 days HBs Ag HBc Ab	£105 HBs Ab HCV Ab
MMR	SH6	S Measles IgG	2-5 days Mumps IgG	£88 Rubella IgG

Sexual health & Microbiology

SEXUAL HEALTH PROFILE I	SH7	  	  	 2-5 days	£70
		Genital swab culture Incl. Neisseria gonorrhoeae, Trichomonas vaginalis, Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)			
SEXUAL HEALTH PROFILE II	SH8	   	   	 2-7 days	£97
		Genital swab culture Incl. Neisseria gonorrhoeae, Trichomonas vaginalis, Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)			
SEXUAL HEALTH PROFILE III	SH9	   	   	 2-7 days	£108
		Genital swab culture Incl. Neisseria gonorrhoeae, Trichomonas vaginalis, Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)			
SEXUAL HEALTH PROFILE IV	SH10	   	   	 2-7 days	£131
		Genital swab culture Incl. Neisseria gonorrhoeae, Trichomonas vaginalis, Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)			

PRICE LIST



Sexual health & Microbiology

<p>SEXUAL HEALTH PROFILE V</p>	<p>SH11</p>	<p>♀ BS CS S ♂ GS FU S</p>	<p>🕒 2-7 days</p>	<p>£151</p>
<p>Genital swab culture</p>		<p>Incl. Neisseria gonorrhoeae, Trichomonas vaginalis, Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)</p>		<p>Gram examination Chlamydia trachomatis antigen HIV Ab + p24 Ag Syphilis Ab HBs Ag HCV Ab</p>
<p>NEW! SEXUAL HEALTH PROFILE ADVANCED</p>	<p>SH20</p>	<p>♀ S + PCR or FU ♂ S + PCR or FU</p>	<p>🕒 1-6 days</p>	<p>£152</p>
<p>Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR Mycoplasma genitalium PCR Trichomonas vaginalis PCR</p>		<p>HIV Ab + p24 Ag Syphilis Ab HBs Ag HCV Ab</p>		
<p>NEW! SEXUAL HEALTH PROFILE PREMIUM</p>	<p>SH21</p>	<p>♀ S BS + PCR or FU ♂ S GS + PCR or FU</p>	<p>🕒 2-7 days</p>	<p>£177</p>
<p>Genital swab culture</p>		<p>Incl. Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)</p>		<p>Gram examination Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR Mycoplasma genitalium PCR Trichomonas vaginalis PCR HIV Ab + p24 Ag Syphilis Ab HBs Ag HCV Ab</p>
<p>NEW! SEXUAL HEALTH PROFILE PREMIUM PLUS</p>	<p>SH22</p>	<p>♀ S BS + PCR or FU ♂ S GS + PCR or FU</p>	<p>🕒 2-7 days</p>	<p>£202</p>
<p>Genital swab culture Incl. Candida spp., Sataphylococcus aureus, Streptococcus agalactiae (GBS), Gardnerella vaginalis (females)</p>		<p>Gram examination Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR Mycoplasma genitalium PCR Mycoplasma hominis PCR Ureaplasma urealiticum PCR Ureaplasma parvum PCR</p>	<p>Trichomonas vaginalis PCR HIV Ab + p24 Ag Syphilis Ab HBs Ag HCV Ab</p>	

Sexual health & Microbiology

NEW!	STI PCR I	SH12	PCR or FU	🕒 1-6 days	£86
			Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR	Mycoplasma genitalium PCR Trichomonas vaginalis PCR	
NEW!	STI PCR II	SH13	PCR or FU	🕒 1-6 days	£129
			Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR Mycoplasma genitalium PCR Mycoplasma hominis PCR	Ureaplasma urealiticum PCR Ureaplasma parvum PCR Trichomonas vaginalis PCR	
NEW!	STI PCR III	SH17	PCR + PCR or FU	🕒 2-12 days	£149
			Chlamydia trachomatis PCR Neisseria gonorrhoeae PCR Mycoplasma genitalium PCR Mycoplasma hominis PCR	Ureaplasma urealiticum PCR Ureaplasma parvum PCR Trichomonas vaginalis PCR Herpes simplex I/II	
	TORCH	SH14	S	🕒 2-5 days	£127
			Toxoplasma gondii IgM Toxoplasma gondii IgG Rubella virus IgM	Rubella virus IgG CMV IgM CMV IgG	HSV-1 IgG HSV-2 IgG
	VIRAL SCREEN I	SH15	S	🕒 1-3 days	£106
			HBs Ag	HCV Ab	HIV Ab + p24 Ag
NEW!	VIRAL SCREEN II	SH18	S	🕒 1-3 days	£121
			HBs Ag	HCV Ab	HIV Ab + p24 Ag Syphilis Ab
NEW!	VIRAL EARLY DETECTION	SH19	E E	🕒 5 days	£157
			HBV PCR	HCV PCR	HIV PCR
	GASTROINTESTINAL SCREEN - PARASITES	SH23	F	🕒 1-6 days	£66
			Blastocystis hominis (BH) Cryptosporidium spp. (CR) Cyclospora cayetanensis (CC)	Dientamoeba fragilis (DF) Entamoeba histolytica (EH) Giardia lamblia (GL)	
	GASTROINTESTINAL SCREEN - VIRUSES	SH24	F	🕒 1-6 days	£66
			Adenovirus (AdV) Astrovirus (AstV)	Norovirus GI (NoV-GI) Norovirus GII (NoV-GII)	Rotavirus (RotV) Sapovirus (SV)

Sexual health & Microbiology

GASTROINTESTINAL SCREEN - BACTERIA	SH25	F	 1-6 days	£55
		Campylobacter spp. (Cam) Clostridium difficile toxin A/B (CdA/B) Escherichia coli 0157 [E. coli 0157] Salmonella spp. (Sal)	Shigella spp./EIEC[5] [Sh/EI] STEC[4] [stx1/2] Yersinia enterocolitica [Yer]	
GASTROINTESTINAL SCREEN - HELMINTHS	SH26	F	 1-6 days	£66
		Ancylostoma spp.(AN) Ascaris spp.(AS) Enterobius vermicularis Enterocytozoon spp. / Encephalitozoon spp (EN)	Hymenolepis spp.(HY) Necator americanus (NA) Strongyloides spp.(ST) Taenia spp.(TA) Trichuris trichiura (TT)	

Vitamins & minerals

BASIC VITAMIN SCREEN I	VP1	S Vitamin D 25-OH Vitamin B ₁₂	🕒 4 hours	£63
NEW!	BASIC VITAMIN SCREEN II	VP6 S Vitamin D 25-OH Folate	🕒 4 hours	£81 Vitamin B ₁₂
HEAVY METALS SCREEN	VP2	E S Chromium Lead Nickel Arsenic Mercury Selenium	🕒 10-15 days	£233 Zinc Copper Cadmium
MINERAL SCREEN	VP3	E S Calcium Potassium Magnesium Inorganic phosphates Sodium Manganese	🕒 10-15 days ³	£114 Zinc Aluminium
MINERAL & VITAMIN SCREEN	VP4	E S Mineral screen	🕒 10-15 days ³	£299 Vitamin screen
VITAMIN SCREEN	VP5	E S Vitamin A (retinol) Vitamin B ₆	🕒 10-15 days ³	£268 Vitamin B ₁₂ Vitamin D 25-OH Vitamin E (tocopherol) Folate

Allergy & Autoimmunology

<p>ALLERGY PROFILE I + IgE</p>	<p>AP1</p>	<p>S</p>	<p>🕒 2-5 days³</p>	<p>£161</p>
		<p>Immunoglobulin E</p>		<p>11 individual allergens</p>
<p>ALLERGY PROFILE II</p>	<p>AP2</p>	<p>S</p>	<p>🕒 2-5 days</p>	<p>£221</p>
		<p>20 individual allergens</p>		
<p>ALLERGY PROFILE III</p>	<p>AP3</p>	<p>S</p>	<p>🕒 2-5 days</p>	<p>£385</p>
		<p>40 individual allergens</p>		
<p>ALLERGY PROFILE IV UK PANEL</p>	<p>AP4</p>	<p>S</p>	<p>🕒 2-5 days</p>	<p>£189</p>
		<p>Dermatophagoides pteronyssinus (HDM)</p>	<p>Cottonwood Milk</p>	<p>Egg Cat dander-epithelium</p>
		<p>Festuca (Meadow fescue)</p>	<p>Codfish</p>	<p>Dog dander</p>
		<p>Timothy grass</p>	<p>Wheat</p>	<p>Cladosporium herbarum</p>
		<p>Cultivated rye grass</p>	<p>Peanut</p>	<p>Latex</p>
		<p>Oak</p>	<p>Soybean</p>	
<p>ALLERGY PROFILE V UK PANEL + IgE</p>	<p>AP5</p>	<p>S</p>	<p>🕒 2-5 days³</p>	<p>£201</p>
		<p>UK panel (16 allergens)</p>		<p>Immunoglobulin E</p>
<p>ALLERGY PROFILE VI - ATOPIC</p>	<p>AP6</p>	<p>S</p>	<p>🕒 1-5 days</p>	<p>£129</p>
		<p>F-02 Milk</p>	<p>GX-07 Grass mix³</p>	<p>F-25 Tomato</p>
		<p>F-76 Alpha-lactalbumin</p>	<p>E-02/05 Dog epithelium/dander</p>	<p>FX-10 Flour mix¹</p>
		<p>F-77 Beta-lactoglobulin</p>	<p>E-01 Cat epithelium</p>	<p>F-83 Chicken</p>
		<p>F-78 Casein</p>	<p>M-02 Cladosporium herbarum</p>	<p>FX-29 Citrus mix²</p>
		<p>F-01 Egg white</p>	<p>M-06 Alternaria alternata</p>	<p>F-09 Rice</p>
		<p>F-75 Egg yolk</p>	<p>M-03 Aspergillus fumigatus</p>	<p>T-04 Hazel pollen</p>
		<p>F-03 Codfish</p>	<p>D-01 Dermatophagoides pteronyssinus</p>	<p>T-03 Birch pollen</p>
		<p>F-13 Peanut</p>	<p>D-02 Dermatophagoides farinae</p>	<p>W-06 Mugwort pollen</p>
		<p>F-93 Cacao</p>		<p>K-202 CCD</p>
		<p>F-14 Soya</p>		
		<p>F-49 Apple</p>		
		<p>F-31 Carrot</p>		
		<p>¹Flour Mix – FX-10 F-04 / F-05 / F-06 / F-07 – Wheat, Rye, Barley & Oat (flours that contain Gluten)</p>	<p>²Citrus mix – FX-29 F-208 / F-306 / F-33 / F-302 Lemon, Lime, Orange, Mandarin</p>	<p>³Grass Mix – GX-07 G-03 / G-04 / G-05 / G-06 / G-08 / G-13 Pollen of Cocksfoot, Meadow fescue, Rye grass, Timothy grass, Kentucky blue grass, Velvet grass</p>
<p>Method sensitivity and specificity, in comparison with UniCap, are 92.3% and 93.6%.</p>				

Allergy & Autoimmunology

NEW!

ALLERGY PROFILE VII - PEDIATRIC

AP7

S	1-5 days	£129
D-01 D. pteronyssinus D-02 D. farinae E-01 Cat epithelia E-02 Dog epithelia E-03 Horse epithelia E-204 BSA 1 F-01 Egg White F-02 Cow's milk F-03 Codfish F-09 Rice F-13 Peanut	F-14 Soybean F17 Hazelnut F-31 Carrot F-35 Potato F-49 Apple F-75 Egg Yolk F-76 Alpha-Lactalbumin (nBos d4) F-77 Beta-Lactoglobulin (nBos d5) F-78 Casein (nBos d8)	F-83 Chicken meat F-93 Cacao (Chocolate) FX-10 Flour Mix2 GX-07 6 Grass Mix3 M-02 Cladosporium herbarum M-03 Aspergillus fumigatus M-06 Alternaria alternata T-03 Birch pollen W-06 Mugwort pollen K-202 CCD4
¹ BSA – E-204 Bovine Serum Albumin ² Flour Mix – FX-10 F-04 / F-05 / F-06 / F-07 – Wheat, Rye, Barley & Oat (flours that contain Gluten) ³ Grass Mix – GX-07 G-03 / G-04 / G-05 / G-06 / G-08 / G-13 Pollen of Cocksfoot, Meadow Fescue, Rye Grass, Timothy Grass, Kentucky bluegrass, Velvet Grass. ⁴ CCD Cross-reactive Carbohydrate Determinants		
Method sensitivity and specificity, in comparison with UniCap, are 92.3% and 93.6%.		

NEW!

ALLERGY PROFILE VIII - INHALATION

AP8

S	1-5 days	£88
D-01 D. pteronyssinus D-02 D. farinae E-01 Cat epithelia E-02/E-05 Dog epithelia E-03 Horse epithelia E-06 Guinea Pig epithelia E-82 Rabbit epithelia E-84 Hamster epithelia	G-06 Timothy Grass pollen G-12 Rye pollen M-01 Penicillium notatum M-02 Cladosporium herbarum M-03 Aspergillus fumigatus M-06 Alternaria alternata T-02 Alder pollen	T-03 Birch pollen T-04 Hazel pollen T-07 White Oak pollen W-06 Mugwort pollen W-09 Plantain pollen K-202 CCD ₁
¹ CCD Cross-reactive Carbohydrate Determinants Method sensitivity and specificity, in comparison with UniCap, are 92.3% and 93.6%.		

NEW!

ALLERGY PROFILE IX - FOOD

AP9

S	1-5 Days	£88
F01 Egg White F02 Cow's milk F03 Codfish F04 Wheat flour F05 Rye flour F10 Sesame	F13 Peanut F14 Soybean F16 Walnut F17 Hazelnut F20 Almond F24 Shrimp	F25 Tomato F31 Carrot F35 Potato F49 Apple F75 Egg Yolk F78 Casein (nBos d8) F85 Celery F95 Peach K202 Cross-reactive Carbohydrate Determinants

Allergy & Autoimmunology

NEW! ALLERGY PROFILE X - MILK PLUS GLUTEN	AP10	S	1-5 Days	£58
		F02 Cow's milk F76 Alpha-Lactalbumin (nBos d4)	F77 Beta-Lactoglobulin (nBos d5) F78 Casein (nBos d8)	E204 Bovine Serum Albumin F79 Gluten
NEW! CELIAC IGG + IGA	AP11	S	1-5 Days	£89
		Deam. Gliadin IgG tTG IgG	Intrinsic Factor Deam. Gliadin IgA	tTG IgA Total IgA

Individual Allergen (IgE RAST): £15

MITES	D1	Dermatophagoides pteronyssinus (House dust mite)	D71	Epidoglyphus destructor (Storage mite)
	D2	Dermatophagoides farinae (House dust mite)	D72	Tyrophagus putrescentiae (Storage mite)
	D3	Dermatophagoides microceras (House dust mite)	D73	Glycyphagus domesticus (Storage mite)
	D70	Acarus siro (Storage mite)	D74	Euroglyphus maynei (House dust mite)
HOUSE DUST	H1	House Dust (Greer)	H4	House Dust (Allergopharma)
	H2	House Dust (Hollister-Stier)	H6	House Dust (Japan)
INSECTS AND VENOMS	I1	Honey bee venom	I70	Imported fire ant
	I2	White-faced hornet	I71	Mosquito
	I3	Yellow jacket venom	I73	Chironomus plumosus
	I4	Paper wasp venom	I75	European hornet
	I5	Yellow hornet	I204	Horsefly
	I6	Cockroach		
GRASS POLLENS	G1	Sweet vernal grass	G10	Johnson grass
	G2	Bermuda grass	G11	Brome grass
	G3	Orchard grass	G12	Cultivated rye grass
	G4	Festuca (Meadow fescue)	G13	Velvet grass
	G5	Perennial rye grass	G14	Cultivated oat grass
	G6	Timothy grass	G15	Cultivated wheat grass
	G7	Common reed grass	G16	Meadow foxtail grass
	G8	June grass (Kentucky blue)	G17	Bahia grass
	G9	Redtop		
TREE POLLENS	T1	Maple	T12	Willow
	T2	Alder	T14	Cottonwood
	T3	Birch	T15	White Ash
	T4	Hazelnut	T16	White Pine
	T5	Beech	T17	Japanese Cedar
	T6	Mountain cedar	T18	Eucalyptus
	T7	Oak	T19	Acacia

Individual Allergen

TREE POLLENS	T8	Elm	T20	Mesquite
	T9	Olive	T21	Malaleuca
	T10	Walnut	T23	Italian Cypress
	T11	Sycamore	T70	White Mulberry
FOODS	F1	Egg white	F81	Cheese, cheddar type
	F2	Milk	F82	Cheese, mold type
	F3	Codfish	F83	Chicken
	F4	Wheat	F84	Kiwi fruit
	F5	Rye flour	F85	Celery
	F6	Barley	F87	Melon
	F7	Oat	F89	Mustard
	F8	Corn	F88	Lamb
	F9	Rice	F90	Malt
	F10	Sesame seed	F91	Mango
	F11	Buckwheat	F92	Banana
	F12	Green pea	F95	Peach
	F13	Peanut	F105	Chocolate
	F14	Soybean	F114	Sunflower seed
	F15	White bean	F201	Pecan nut
	F17	Hazelnut	F202	Cashew nut
	F18	Brazil nut	F203	Pistachio
	F20	Almond	F208	Lemon
	F23	Crab	F213	Rabbit
	F24	Shrimp	F214	Spinach
	F25	Tomato	F215	Lettuce
	F26	Pork	F216	Cabbage
	F27	Beef	F221	Coffee
	F31	Carrot	F232	Ovalbumin
	F33	Orange	F233	Ovomucoid
	F35	Potato	F235	Lentil
	F36	Coconut	F245	Egg

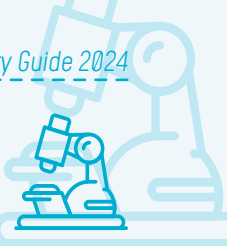
Individual Allergen

FOODS	F37	Blue mussel	F255	Plum
	F40	Tuna	F256	Walnut
	F41	Salmon	F258	Squid
	F44	Strawberry	F259	Grape
	F45	Yeast	F262	Eggplant
	F47	Garlic	F269	Basil
	F48	Onion	F273	Thyme
	F49	Apple	F274	Marjoram
	F61	Sardine	F280	Pepper, black
	F75	Egg yolk	F291	Cauliflower
	F76	Alpha-lactalbumin	F299	Chestnut
	F77	Beta-lactoglobulin	F300	Pinto bean
	F78	Casein	F322	Red currant
	F79	Gluten	F343	Raspberry
F80	Lobster			
WEED POLLENS	W1	Common ragweed	W13	Cocklebur
	W2	Western ragweed	W14	Rough pigweed
	W3	Giant ragweed	W15	Scale (Atriplex lentiformis)
	W5	Wormwood	W16	Marsh elder (Iva ciliata)
	W6	Mugwort	W18	Sheep sorrel
	W7	Ox-eye daisy	W19	Parietaria officinalis
	W8	Dandelion	W21	Parietaria judaica
	W9	English plantain	W20	Nettle
	W10	Lamb's quarters	W90	Japanese hops
	W11	Russian thistle		
	EPIDERMALS AND ANIMAL PROTEINS	E1	Cat dander-epithelium	E75
E2		Dog epithelium	E76	Mouse serum proteins
E3		Horse dander	E78	Budgerigar feathers
E4		Cow dander	E80	Goat epithelium
E5		Dog dander	E81	Sheep epithelium
E6		Guinea pig epithelium	E82	Rabbit epithelium

Individual Allergen


EPIDERMALS AND ANIMAL PROTEINS	E7	Pigeon droppings	E83	Swine epithelium
	E70	Goose feathers	E84	Hamster epithelium
	E71	Mouse epithelium	E85	Chicken feathers
	E72	Mouse urine	E86	Duck feathers
	E73	Rat epithelium	E89	Turkey feathers
	E74	Rat urine	E91	Parrot feathers
MICROORGANISMS	M1	Penicillium notatum	M9	Fusarium moniliforme
	M2	Cladosporium herbarum	M10	Stemphylium botryosum
	M3	Aspergillus fumigatus	M11	Rhizopus nigricans
	M4	Mucor racemosus	M13	Phoma betae
	M5	Candida albicans	M14	Epicoccum purpurascens
	M6	Alternaria tenuis	M15	Trichoderma viride
	M7	Botrytis cinerea	M16	Curvularia lunata
	M8	Helminthosporium halodes	M20	Mucor mucedo
DRUGS	C1	Penicilloyl G	C73	Insulin human
	C2	Penicilloyl V	C74	Gelatin
	C55	Cephalosporine	C203	Ampicillin
	C70	Insulin	C204	Amoxicillin
	C71	Insulin, Bovine	C206	ACTH
OCCUPATIONAL	K75	Isocyanate TDI	K80	Formaldehyde formalin
	K76	Isocyanate MDI	K82	Latex
	K77	Isocyanate HDI	K212	Wood dust
PARASITES	P2	Echinococcus		

TEST/PROFILE INDEX



TEST	CODE	SAMPLE		TAT	PRICE
17-hydroxyprogesterone	17-OH PRG	S		1-5 d	£51 ^A
Acid phosphatase	ACP	S		2-5 d	£25 ^R
Activated partial thromboplastin time (aPTT)	APTT	C		4 h	£28 ^N
Activated protein C resistance	APCR	C		3-5 d	£88 ^R
Adeno/Rota virus antigen	ARVAG	F		1 d	£45 ^N
Adrenocorticotrophic hormone (ACTH)	ACTH	E		1-3 d	£99 ^R
Adiponectin	ADIP	S		20 d	£122 ^R
Alanine aminotransferase (ALT)	ALT	S		4 h	£12 ^A
Albumin	ALB	S		4 h	£12 ^A
Aldosterone	ALD	S		2-7 d	£54 ^R
Alkaline phosphatase (ALP)	ALP	S		4 h	£12 ^A
Allergy profile I (11) + IgE	AP1	S		2-5 d ³	£161 ⁻
Allergy profile II (20)	AP2	S		2-5 d	£221 ⁻
Allergy profile III (40)	AP3	S		2-5 d	£385 ⁻
Allergy profile IV (16) UK panel	AP4	S		2-5 d	£189 ⁻
Allergy profile V (16) UK panel + IgE	AP5	S		2-5 d ³	£201 ⁻
Allergy profile VI (30) Atopic	AP6	S		1-5 d	£129 ⁻
Allergy profile VII (30) Pediatric	AP7	S		1-5 d	£129 ⁻
Allergy profile VIII (20) Inhalation	AP8	S		1-5 d	£88 ⁻
Allergy profile IX (20) Food	AP9	S		1-5 d	£88 ⁻
Allergy profile X - Milk plus Gluten	AP10	S		1-5 d	£58 ⁻
Allergy - Individual allergens	ALLE	S		2-5 d	£15 ^R

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
ALP isoenzymes	ALPI	S	5-10 d	£76 ^R
Alpha-fetoprotein (AFP)	AFP	S	2-5 d	£36 ^R
Aluminium	ALU	S	5-10 d	£48 ^R
Amenorrhoea profile	HP01	S	4 h	£86 ⁻
Aspartate aminotransferase (AST)	AST	S	4 h	£12 ^A
Amoeba antibodies	AMAB	S	2-7 d	£43 ^R
Amylase	AMYL	S	4 h	£17 ^A
Ammonia	AMM	E (frozen plasma)	2 d	£78 ^R
ANA IFA (ANA/FA)	ANA/F	S	2-5 d	£45 ^R
Anaemia profile I	SP01	E S	4 h	£68 ⁻
Anaemia profile II	SP02	E S	4 h	£68 ⁻
Anaemia profile III	SP03	E S	4 h	£96 ⁻
Andropause profile	HP02	S	4 h	£122 ⁻
Androstenedione	ANDR	S	2-5 d	£55 ^R
Antenatal profile	SP04	E E E S G RU 	2-5 d ³	£146 ⁻
Anticitrullinated protein antibodies (CCP Ab)	CCP	S	2-7 d	£39 ^R
Anti-glycoprotein-210 antibodies (AGPA)	AGPA	S	2-7 d	£39 ^R
Antimitochondrial antibodies (AMA)	AMA	S	2-7 d	£39 ^R
Antimullerian hormone (AMH)	AMH	S	1-5 d	£88 ^N
Antineutrophil cytoplasmic antibodies: cytoplasmic staining (ANCA-C)	ANCA-C	S	2-7 d	£39 ^R
Antineutrophil cytoplasmic antibodies: perinuclear staining (ANCA-P)	ANCA-P	S	2-7 d	£39 ^R

TEST/PROFILE INDEX

TEST	CODE	SAMPLE		TAT	PRICE
Antinuclear antibodies (ANA)	ANA	S		2-5 d	£41 ^R
Antismooth muscle antibodies (ASMA)	ASMA	S		2-7 d	£39 ^R
Antistreptolysin (ASO)	ASO	S		1-5 d	£26 ^A
Antithrombin III	ATIII	C		3-5 d	£64 ^R
Apolipoprotein A1 (12h fasting)	ALPA1	S		1-5 d	£32 ^N
Apolipoprotein A2 (12h fasting)	ALPA2	S		1-5 d	£32 ^R
Apolipoprotein B (12h fasting)	ALPB	S		1-5 d	£32 ^N
Arsenic	AR	E		10-15 d	£46 ^R
Ascaris serology	ASC	S		10 d	£71 ^R
Atypical antibody screen	AASC	E		2-5 d	£49 ^R
Bartonella IgG	BARG	S		10-15 d	£72 ^R
Bartonella IgM	BARM	S		10-15 d	£72 ^R
Bicarbonate	CO	S		4 h	£12 ^A
Bilirubin direct	BILD	S		4 h	£12 ^A
Bilirubin total	BILT	S		4 h	£12 ^A
Bile acids	BAC	S		2-5 d	£36 ^R
Blood film	FILM	E		2-7 d	£22 ^R
Blood group	ABO	E		1-4 d	£54 ^N
Bloodborne pathogens	SH01	S		2-5 d	£127 ⁻
BNP (NT-pro BNP)	BNP	S		1-2 d	£79 ^R
Bone profile	SP05	S		4 h	£36 ⁻
Borrelia burgdorferi IgG (Lyme Disease)	BORG	S		2-5 d	£35 ^R

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Borrelia burgdorferi IgG IgM (Western Blot)	BORC	S	15 d	£268 ^R
Borrelia burgdorferi IgM (Lyme Disease)	BORM	S	2-10 d	£35 ^R
Brucella IgG	BRUG	S	2-7 d	£55 ^R
Brucella IgM	BRUM	S	2-7 d	£55 ^R
C1 esterase inhibitor	C1	S	5-10 d	£51 ^R
Cadmium	CAD	E	10-15 d	£48 ^R
Calcium	CA	S	4 h	£12 ^A
Calcium ionised (Ca ⁺⁺)	CA ⁺⁺	S	2-5 d	£38 ^R
Calprotectin	CALP	F	1 d	£74 ^N
Cancer antigen 125 (CA 125)	CA125	S	2-5 d	£66 ^R
Cancer antigen 15.3 (CA 15.3)	CA153	S	2-5 d	£66 ^R
Cancer antigen 19.9 (CA 19.9)	CA199	S	2-5 d	£72 ^R
Cancer antigen 50 (CA 50)	CA50	S	2-7 d	£72 ^R
Cancer antigen 72.4 (CA 72.4)	CA724	S	2-7 d	£72 ^R
Candida IgG	CANG	S	10-15 d	£37 ^R
Candida IgM	CANM	S	10-15 d	£37 ^R
Candida spp. culture (any site)	CANC	BS	2-7 d	£38 ^R
Carcinoembryonic antigen (CEA)	CEA	S	2-5 d	£43 ^R
Cardiac panel profile I	SP06	S	4 h	£42 ⁻
Cardiac panel profile II	SP34	E S G	4 h	£101 ⁻
Cardiac panel profile III	SP35	C S	2-5 d ³	£101 ⁻
Cardiolipin antibodies IgA	CARA	S	2-7 d	£29 ^R

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Cardiolipin antibodies IgG	CARG	S	2-7 d	£29 ^R
Cardiolipin antibodies IgM	CARM	S	2-7 d	£34 ^R
Centromere antibodies	CENT	S	2-7 d	£39 ^R
Ceruloplasmin	CERU	S	1-5 d	£33 ^N
Cervical smear cytology (PAP – thin prep)	PAP	TP	5-10 d	£69 ^R
Chlamydia pneumoniae IgA	CPNA	S	2-7 d	£33 ^R
Chlamydia pneumoniae IgG	CPNG	S	2-7 d	£33 ^R
Chlamydia pneumoniae IgM	CPNM	S	2-7 d	£38 ^R
Chlamydia psittaci IgA	CPSA	S	2-7 d	£33 ^R
Chlamydia psittaci IgG	CPSG	S	2-7 d	£33 ^R
Chlamydia psittaci IgM	CPSM	S	2-7 d	£38 ^R
Chlamydia trachomatis antigen	CTRAG	 CS  FU	1 d	£37 ^N
Chlamydia trachomatis IgA	CTRA	S	2-7 d	£33 ^R
Chlamydia trachomatis IgG	CTRG	S	2-7 d	£33 ^R
Chlamydia trachomatis IgM	CTRM	S	2-7 d	£38 ^R
Chloride	CL	S	4 h	£12 ^A
Cholesterol total	CHOL	S	4 h	£12 ^A
Chromium	CR	E	10-15 d	£48 ^R
Cholinesterase	CET	S	2-5 d	£20 ^R
CK-MB	CKMB	S	1 d	£40 ^R
CMV Avidity	CMVAV	S	2-5 d	£91 ^R




TEST/PROFILE INDEX

TEST	CODE	SAMPLE		TAT	PRICE
Coagulation profile I	SP07	C		4 h	£41 ⁻
Coagulation profile II	SP37	C		4 h	£56 ⁻
Coeliac profile I	SP08	S		2-10 d	£136 ⁻
Coeliac profile II	AP11	S		1-5 d	£89 ⁻
Complement C ₃	C3	S		1-5 d	£29 ^N
Complement C ₄	C4	S		1-5 d	£29 ^N
Complement total	COMP	S		2-7 d	£33 ^R
Comprehensive profile	SP09	E S G		4 h	£99 ⁻
Comprehensive profile +	SP10	E S G		4 h	£126 ⁻
Copper	CU	S		5-10 d	£40 ^R
Cortisol	CORT	S		1-5 d	£43 ^A
Cortisol: urine	CORTU	CU		2-5 d	£43 ^R
COVID-19 RT-PCR	COVP			next day	£39 ^A
COVID-19 Nucleocapsid Total Ab (IgG & IgM)	COVN	S		2 d	£50 ^R
COVID-19 Nucleocapsid Ab (IgG)	COVG	S		2 d	£50 ^R
COVID-19 Spike Ab (IgM)	COVM	S		2 d	£50 ^R
COVID-19 Spike Total Ab (IgG & IgM)	COVS	S		2 d	£50 ^R
COVID-19 Rapid Antigen	COVAG			4 h	Please enquiry ^N
C-peptide	CP	S		4 h	£59 ^A
C-reactive protein (CRP)	CPR	S		4 h	£23 ^A


TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
C-reactive protein high-sensitivity (hsCRP)	HSCRIP	S	4 h	£28 ^N
Creatine kinase (CPK)	CK	S	4 h	£12 ^A
Creatinine	CREA	S	4 h	£12 ^A
Culture (any site)	CULT	BS GS	2-7 d	£51 ^N
Culture - Ear Swab	EAR	BS	2-7 d	£51 ^N
Culture - Eye Swab	EYE	BS	2-7 d	£51 ^N
Culture - Genital Area Swab	GEN	BS	2-7 d	£51 ^N
Culture - Nasal Swab	NAS	BS	2-7 d	£51 ^N
Culture - Oral Swab	ORA	BS	2-7 d	£51 ^N
Culture - Skin Swab	SKI	BS	2-7 d	£51 ^N
Culture - Throat Swab	THR	BS	2-7 d	£51 ^N
Culture - Wound Swab	WOU	BS	2-7 d	£51 ^N
Cytokeratin-19 fragments (CYFRA 21.1)	211	S	2-5 d	£81 ^R
Cytomegalovirus IgG (CMV IgG)	CMVG	S	1-3 d	£33 ^N
Cytomegalovirus IgM (CMV IgM)	CMVM	S	1-3 d	£33 ^N
D-dimers	DD	C	  1 d	£57 ^N
Dehydroepiandrosterone (DHEA)	DHEA	S	2-5 d	£62 ^R
Dehydroepiandrosterone sulfate (DHEA-S)	DHEAS	S	4 h	£47 ^A
Demodex spp.	DEM		1 d	£57 ^N
Depression profile	SP36	E E S G	4 h	£156 ⁻
Diabetes profile I	SP11	E S G	4 h	£57 ⁻
Diabetes profile II	SP12	E S G RU	4 h	£92 ⁻




















TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Diamine Oxidase Activity	DIAM	S	15 d	£79 ^R
Dihydrotestosterone	DHT	S	3-8 d	£74 ^R
ds-DNA antibodies	DSDNA	S	2-7 d	£39 ^R
Down syndrome: A-test (15-22 week; 2nd trimester, triple test)	DSA	S	2-7 d	£146 ^R
Down syndrome: B-test (13-22 week; 2nd trimester, double test)	DSB	S	2-7 d	£146 ^R
Down syndrome: PAPP-A TEST (10-14 week; 1st trimester, NT)	PAAPA	S NT	 2-7 d	£146 ^R
Drugs of abuse	DOA	RU	2-7 d	£86 ^R
Echinococcus antibodies	ECH	S	2-7 d	£42 ^R
Endomysial IgA	ENDA	S	2-7 d	£50 ^R
Epstein-Barr virus nuclear antigen (EBV NA)	EBVNA	S	2-5 d	£40 ^R
Epstein-Barr virus viral capsid antigen (EBV VCA) IgG	EBVG	S	2-5 d	£37 ^R
Epstein-Barr virus viral capsid antigen (EBV VCA) IgM	EBVM	S	2-5 d	£37 ^R
ESR	ESR	E	4 h	£16 ^N
Estradiol E ₂	E2	S	4 h	£33 ^A
Estriol free E ₃	E3	S	2-7 d	£44 ^R
Extractable nuclear antigens (ENA) antibodies	ENA	S	2-7 d	£40 ^R
Faecal occult blood (FOB)	FOB	F	1 d	£22 ^N
Faecal occult blood (immunochemical/FIT)	FIT	F	1 d	£48 ^N
Fasting insulin resistance index (FIRI)	FIRI	S	1-3 d	£42 ⁻
Ferritin	FERR	S	4 h	£30 ^A
Fibrinogen	FIB	C	  4 h	£35 ^N

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Folate	FOL	S	4 h	£33 ^A
Folate RBC	RBCF	E	5 d	£44 ^N
Follicle-stimulating hormone (FSH)	FSH	S	4 h	£33 ^A
Free thyroxine (fT ₄)	FT4	S	4 h	£29 ^A
Free triiodothyronine (fT ₃)	FT3	S	4 h	£29 ^A
Fructosamine	FRU	S 	1-5 d	£37 ^N
FSH-LH profile	HP03	S	4 h	£60 ⁻
FTA Abs IgG	FTAG	S	5d	£30 ^R
FTA Abs IgM	FTAM	S	5d	£30 ^R
Full biochemistry & haematology profile	SP14	E S G	4 h	£65 ⁻
Full biochemistry & haematology profile & CRP	SP15	E S G	4 h	£73 ⁻
Full biochemistry profile	SP13	S G	4 h	£43 ⁻
Full blood count	FBC	E	4 h	£31 ^A
Full health assessment - men	SP16	E S G F	1-3 d ³	£146 ⁻
Full health assessment - women	SP17	E S G TP F	2-10 d ³	£181 ⁻
GAD Ab	GAD	S	15 d	£134 ^R
Gamma-glutamyl transferase (GGT)	GGT	S	4 h	£12 ^A
Giardia serology	GIAR	S	5-10 d	£76 ^R
Giardia intestinalis antigen	GIAG	F	1 d	£59 ^N
Gliadin IgA	GLA	S	2-7 d	£35 ^R
Gliadin IgG	GLG	S	2-7 d	£39 ^R




TEST/PROFILE INDEX

TEST	CODE	SAMPLE		TAT	PRICE
Glucose	GLUC	S G		4 h	£12 ^A
Glucose tolerance test (0', 120')		S G		4 h	£24 ⁻
Glucose-6-phosphate dehydrogenase [G6PD]	G6PD	E		2-5 d	£39 ^R
Glycated haemoglobin (HbA1c)	A1C	E		4 h	£36 ^N
Glutathione total	GLUT	E		10 d	£94 ^R
Group B streptococcus [GBS; Streptococcus agalactiae]	GBS	BS BS		2-7 d	£39 ^N
Growth hormone (HGH)	HGH	S		1-5 d	£49 ^A
Gyne profile	SH02	 BS +  or   GS +  or 		2-7 d	£99 ⁻
Gyne profile plus	SH27	 BS +  or   GS +  or 		2-7 d	£145 ⁻
Haematology profile	SP18	E		4 h	£34 ⁻
Haptoglobin	HAPG	S		2-7 d	£37 ^R
Haemoglobinopathy Screen	HBSC	E		5 d	£66 ^R
Heavy metals screen	VP02	S E		10-15 d	£233 ⁻
Health screening profile	SP38	E S G		4 h	£156 ⁻
Helicobacter pylori antigen	HPAG	F		1 d	£56 ^N
Helicobacter pylori IgA	HPA	S		2-7 d	£33 ^R
Helicobacter pylori IgG quantitative	HPG	S		1-7 d	£37 ^N
Helicobacter pylori IgM	HPM	S		2-10 d	£34 ^R
Hepatic profile [LFT; liver function tests]	SP19	S		4 h	£35 ⁻
Hepatitis A B C profile	SH05	S		2-5 d	£105 ⁻


TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Hepatitis A profile	SH03	S	2-5 d	£69 ^R
Hepatitis A: HAV antibodies total (HAV Ab)	HAV	S	2-5 d	£39 ^R
Hepatitis A: HAV IgM (HAV IgM)	HAVM	S	2-5 d	£39 ^R
Hepatitis B profile	SH04	S	2-5 d	£99 ⁻
Hepatitis B: HB core antibodies (HBc total)	HBC	S	1-3 d	£43 ^A
Hepatitis B: HB core IgM (HBc IgM)	HBCM	S	2-5 d	£43 ^R
Hepatitis B: HB e antibodies (HBe Ab)	HBE	S	2-5 d	£43 ^R
Hepatitis B: HB e antigen (HBe Ag)	HBEAG	S	2-5 d	£43 ^R
Hepatitis B: HB surface antibodies (HBs Ab; immunity)	HBSAB	S	1-3 d	£36 ^A
Hepatitis B: HB surface antigen (HBs Ag)	HBSAG	S	1-3 d	£36 ^A
Hepatitis C: HCV antibodies	HCV	S	1-3 d	£55 ^A
Hepatitis D: HDV antibodies	HDV	S	2-7 d	£53 ^R
Herpes simplex 1 IgG (HSV-1)	HSV1G	S	2-5 d	£24 ^R
Herpes simplex 1 IgM (HSV-1)	HSV1M	S	2-5 d	£24 ^R
Herpes simplex 2 IgG (HSV-2)	HSV2G	S	2-5 d	£24 ^R
Herpes simplex 2 IgM (HSV-2)	HSV2M	S	2-5 d	£24 ^R
High-density lipoprotein (HDL)	HDL	S	4 h	£12 ^A
Hirsutism profile	HP04	S	4 h	£112 ⁻
Histones antibodies	HISA	S	2-7 d	£43 ^R
Histopathology (small)	HISTO	H	1 w	£139 ^R
Histamine	HIST	E (frozen plasma)	7 d	£98 ^R

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Homocysteine	HCY	S 	1-5 d	£66 ^N
HSV PCR	HSVP	PCR	2-12 d	£64 ^R
Human chorionic gonadotropin (hCG intact + free β-subunit)	HCG	S	4 h	£37 ^A
Human immunodeficiency virus (HIV) antibodies + p24 antigen	HIV	S	1-3 d	£41 ^A
Human papilloma virus (HPV) 20 low & high risk subtypes	HPV20	TP	2-7 d	£95 ^R
Human T-lymphotropic virus (HTLV Ab)	HTLV	S	1-3 d	£53 ^A
Immunoglobulin A (IgA)	IGA	S	1-5 d	£28 ^N
Immunoglobulin E (IgE)	IGE	S	4 h	£42 ^A
Immunoglobulin G (IgG)	IGG	S	1-5 d	£28 ^N
Immunoglobulin M (IgM)	IGM	S	1-5 d	£28 ^N
Impotence profile / Erectile dysfunction	SP20	S G 	4 h	£99 ⁻
Infertility profile - female	HP05	S	4 h	£99 ⁻
Infertility profile - male	HP06	S	4 h	£99 ⁻
Insulin	INS	S	4 h	£30 ^A
Insulin-like growth factor (IGF-1)	IGF1	S	1-5 d	£73 ^A
Intrinsic Factor antibodies	IFA	S	2-7 d	£57 ^R
Interleukin 6	IL6	S	1-5 d	£122 ^N
Iron	FE	S	4 h	£12 ^A
Iron status profile	SP21	S 	4 h	£54 ⁻
Jo-1 antibodies	J01	S	2-7 d	£34 ^R
Lactate dehydrogenase (LDH)	LDL	S	4 h	£12 ^A



TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Lead	PB	E	5-10 d	£42 ^R
Leishmania antibodies	LEI	S	5-10 d	£38 ^R
Leptin	LEP	S	20 d	£97 ^N
Lipase	LIP	S	4 h	£27 ^A
Lipid profile	SP22	S	4 h	£30 ⁻
Lipids total	LIPT	S	2-5 d	£16 ^R
Lipoprotein [a]	LPA	S	1-5 d	£40 ^N
Lipoprotein electrophoresis	LPE	S	5-10 d	£36 ^R
Listeria antibodies	LIST	S	2-7 d	£34 ^R
Lithium (12h after dose)	LI	S	2-5 d	£29 ^R
Liver kidney microsomal antibodies (LKM)	LKM	S	2-7 d	£39 ^R
Liver, pancreas & stomach profile	SP23	S	2-5 d ³	£155 ⁻
Low-Density lipoprotein (LDL)	LDL	S	4 h	£13 ^A
Lp-PLA ₂	PLA2	S	1-5 d	£80 ^N
Lupus anticoagulant	LUPC	C C 	2-4 d	£64 ^R
Lupus erythromatosus cell (LE cells)	LEC	E	2-5 d	£29 ^R
Luteinizing hormone	LH	S	4 h	£31 ^A
Macroprolactin	MPRL	S	2-7 d	£99 ^R
Magnesium	MG	S	4 h	£12 ^A
Manganese	MN	E	5-10 d	£47 ^R
Magnesium RBC	RBCMG	E	7 d	£61 ^R
Malaria	MAL	E	2 d	£55 ^R










TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
MCA	MCA	S	2-5 d	£72 ^R
Measles virus IgG	MVG	S	2-5 d	£29 ^R
Measles virus IgM	MVM	S	2-5 d	£29 ^R
Menopausal profile	HP07	S	4 h	£88 ⁻
Mercury	HG	E	5-10 d	£40 ^R
Microalbumin urine	MALB	RU CU	2-5 d	£43 ^R
Mineral & vitamin screen	VP04	S E	10-15 d ³	£299 ⁻
Mineral screen	VP03	S E	10-15 d ³	£114 ⁻
MMR (Measles IgG, Mumps IgG, Rubella IgG)	SH03	S	2-5 d	£88 ⁻
Mumps virus IgG	MUMG	S	2-5 d	£36 ^R
Mumps virus IgM	MUMM	S	2-5 d	£36 ^R
Mycology PCR & culture	DERM	Clippings / Scrapings	3-8 d	£58 ^R
Mycoplasma pneumoniae IgG	MPG	S	2-7 d	£23 ^R
Mycoplasma pneumoniae IgM	MPM	S	2-7 d	£23 ^R
Myoglobin	MYO	S	1 d	£59 ^R
Neuron-specific enolase (NSE)	NSE	S	2-7 d	£77 ^R
Nickel	NI	E	5-10 d	£47 ^R
Omega 3/6	O36	E	7 d	£92 ^R
Ovarian Ab	OVAB	S	2-4 d	£64 ^R
Osteocalcin	OSTEO	S	 1-5 d	£79 ^N
Parathyroid Hormone	PTH	S	1-5 d	£93 ^N
Parvovirus IgG	PARVG	S	2-7 d	£56 ^R












TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Parietal Cell Ab	PARCA	S	5 d	£37 ^R
Pediatric profile	SP24	E S G	4 h	£59 ⁻
Pediatric profile II	SP25	E S G	4 h	£91 ⁻
Pertussis IgG	PERTG	S	2-7 d	£55 ^R
Phlebotomy				£15 ^A
Phosphates inorganic	PHOS	S	4 h	£12 ^R
Phosphatidic acid IgG	PAG	S	2-7 d	£39 ^R
Phosphatidic acid IgM	PAM	S	2-7 d	£39 ^R
Phosphatidyl inositol IgG	PIG	S	2-7 d	£39 ^R
Phosphatidyl inositol IgM	PIM	S	2-7 d	£39 ^R
Phosphatidyl serine IgG	PSG	S	2-7 d	£39 ^R
Phosphatidyl serine IgM	PSM	S	2-7 d	£39 ^R
Phospholipid IgA	PLA	S	2-7 d	£29 ^R
Phospholipid IgG	PLG	S	2-7 d	£29 ^R
Phospholipid IgM	PLM	S	2-7 d	£29 ^R
Phospholipids	PL	S	2-7 d	£18 ^R
Phospholipids HDL	PLH	S	2-7 d	£18 ^R
Phospholipids LDL	PLL	S	2-7 d	£18 ^R
Phospholipids VLDL	PLV	S	2-7 d	£18 ^R
Plasminogen	PLAS	C (frozen plasma)	3-5 d	£66 ^R
Polycystic Ovary Syndrome Profile I	HP15	S G 	1-3 d	£137 ⁻
Polycystic Ovary Syndrome Profile II	HP16	E S G 	1-5 d	£409 ⁻

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Post coital test		- 	1 d	£57 ^N
Potassium	K	S	4 h	£12 ^A
Pre operation profile	SP26	E E C S G    	1-4 d	£195 ⁻
Pregnenolone	PREG	S	20 d	£78 ^N
Progesterone	PRG	S	4 h	£30 ^A
Prolactin	PRL	S	4 h	£30 ^A
Prostate profile	SP27	S	1-3 d	£61 ⁻
Prostate-specific antigen (PSA)	PSA	S	1-5 d	£35 ^A
Prostate-specific antigen free (fPSA)	FPSA	S	1-5 d	£36 ^A
Prostatic acid phosphatase	ACPP	S	2-5 d	£19 ^R
Protein C	PC	C 	3-5 d	£58 ^R
Protein electrophoresis	PELE	S	2-5 d	£46 ^R
Protein S	PS	C 	3-5 d	£58 ^R
Proteins total	TP	S	4 h	£12 ^A
Prothrombin time	INR	C  	4 h	£23 ^N
Procalcitonin	PCT	S	2 d	£80 ^R
Protein Bence Jones	BJ	FU	2-5 d	£83 ^R
Rapid plasma reagin (RPR)	RPR	S	2-5 d	£23 ^R
Reticulin IgA	RETA	S	2-7 d	£39 ^R
Reticulocytes	RETC	E	2-5 d	£29 ^R
Reverse T3	RT3	S	1-5 d	£76 ^A

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Rheumatoid factor quantitative	RF	S	1-5 d	£29 ^A
Rheumatoid profile I	SP28	E S	2-5 d ³	£66 ⁻
Rheumatoid profile II	SP29	E S S	2-10 d ³	£199 ⁻
Rickettsial antibodies	RICA	S	7-12 d	£63 ^R
Risk of ovarian malignancy algorithm (ROMA) HE4 CA 125	ROMA	S	2-5 d	£83 ⁻
RNP antibodies	RNP	S	2-7 d	£39 ^R
Rota/Adeno virus antigen	ARVAG	F	1 d	£45 ^N
Rubella virus IgG	RUBG	S	1-3 d	£38 ^N
Rubella virus IgM	RUBM	S	2-5 d	£41 ^R
SCL-70 antibodies	SCL	S	2-7 d	£41 ^{R1}
Selenium	SE	S	5-10 d	£47 ^R
Semen & urine & urethral swab culture	SEC	-	 2-7 d	£70 ^N
Semen analysis	SEA	-	 1 d	£78 ^N
Serotonin	SERT	L	 NEW 15 d	£114 ^R
Sex hormone binding globulin (SHBG)	SHBG	S	4 h	£45 ^A
Sexual health profile I	SH07	 BS CS  GS FU	2-7 d	£70 ⁻
Sexual health profile II	SH08	 BS CS S  GS FU S	2-7 d	£97 ⁻
Sexual health profile III	SH09	 BS CS S  GS FU S	2-7 d	£108 ⁻
Sexual health profile IV	SH10	 BS CS S  GS FU S	2-7 d	£131 ⁻

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Sexual health profile V	SH11		2-7 d	£151 -
Sexual health profile advanced	SH20		1-6 d	£152 -
Sexual health profile premium	SH21		2-7 d	£177 -
Sexual health profile premium plus	SH22		2-7 d	£202 -
Short biochemistry profile	SP31		4 h	£34 -
Short biochemistry profile & haematology profile	SP32		4 h	£54 -
Sm antibodies	SMA		2-7 d	£39 ^R
Sodium	NA		4 h	£12 ^A
Soluble Transferrin Receptor	SFR		2-5 d	£46 ^R
Sperm antibodies	SPA		2-7 d	£53 ^R
Squamous cell carcinoma antigen (SCC)	SCC		2-7 d	£77 ^R
SS-A (Ro) antibodies	SSA		2-7 d	£39 ^R
SS-B (La) antibodies	SSB		2-7 d	£39 ^R
ss-DNA Ab	DNASS		2-7 d	£39 ^R







TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
STI PCR I	SH12	 PCR or  PCR or FU 	1-6 d	£86 ⁻
STI PCR II	SH13	 PCR or  PCR or FU 	1-6 d	£129 ⁻
STI PCR III	SH17	 PCR + PCR or  PCR + PCR or FU 	2-12 d	£149 ⁻
Stool for Culture, Giardia & Cryptosporidium (PCR)	SP		2-6 d	£54 ⁻
Stool for Culture, Giardia, Cryptosporidium & OCP	SPOCP		2-6 d	£77 ⁻
Stool for ova cysts & parasites: 1 sample	OCP		1-2 d	£32 ^N
Stool reducing substances	STRS		5-10 d	£46 ^R
Syphilis Ab	SYPH		1-3 d	£44 ^A
T-uptake	TUP		1-5 d	£31 ^N
Testicular tumor profile	SP39		2-5 d	£77 ⁻
Testosterone	TEST		4 h	£39 ^A
Testosterone free	FTEST		1-5 d	£74 ^A
Testosterone, SHBG, FAI	HP08		4 h	£65 ⁻
Tetanus IgG	TETG		5-10 d	£55 ^R
Thyroglobulin	THGL		2-5 d	£47 ^R
Thyroglobulin Ab (TG Ab)	TGAB		4 h	£40 ^A
Thyroid antibodies	HP14		4 h	£60 ⁻
Thyroid profile I	HP09		4 h	£60 ⁻
Thyroid profile II	HP10		4 h	£79 ⁻






TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Thyroid profile III	HP11	S	4 h	£45 -
Thyroid profile IV	HP12	S	4 h	£136 -
Thyroid profile V	HP13	S	4 h	£95 -
TSH receptor antibodies (TRAb)	TRAB	S	1-5 d	£79 ^A
Thyroid-stimulating hormone (TSH)	TSH	S	4 h	£29 ^A
Thyroperoxidase Ab (TPO Ab)	TPO	S	4 h	£40 ^A
Thyroxine (T4)	T4	S	4 h	£29 ^A
Thyroxine-binding globulin (TBG)	TBG	S	2-5 d	£51 ^R
Tissue transglutaminase IgA	TTGA	S	2-7 d	£45 ^R
Tissue transglutaminase IgG	TTGG	S	2-7 d	£45 ^R
TORCH	SH14	S	2-5 d ³	£127 -
Total iron-binding capacity (TIBC)	TIBC	S	4 h	please enquire -
Toxocara antibodies	TXC	S	5-15 d	£55 ^R
Toxoplasma avidity	TOXAV	S	2-7 d	£98 ^R
Toxoplasma gondii IgA	TOXOA	S	2-7 d	£36 ^R
Toxoplasma gondii IgG	TOXOG	S	1-3 d	£35 ^N
Toxoplasma gondii IgM	TOXOM	S	1-3 d	£35 ^N
Transferrin	TRSF	S	4 h	£29 ^N
Transferrin saturation	TRSAT	S	4 h	please enquire -
Treponema pallidum haemagglutination (TPHA)	TPHA	S	2-7 d	£54 ^R
Triglycerides	TG	S	4 h	£12 ^A

TEST/PROFILE INDEX

TEST	CODE	SAMPLE		TAT	PRICE
Triiodothyronine (T3)	T3	S		4 h	£29 ^A
Troponin T	TNT	S		4 h	£57 ^N
Unsaturated iron binding capacity (UIBC)	UIBC	S		4 h	£29 ^N
Urea	UREA	S		4 h	£12 ^A
Urea & electrolytes profile	SP33	S		4 h	£30 ⁻
Uric acid	UA	S		4 h	£12 ^A
Urine examination	UE	RU		4 h	£27 ^N
Urine examination & culture	UEC	RU DS		1-5 d	£39 ^N
Urine: amylase	AMYLU	RU ^A		4 h	£19 ^N
Urine: calcium	CAU	CU ^B		4 h	£19 ^N
Urine: chloride	CLU	CU ^C		4 h	£19 ^N
Urine: cortisol	CORTU	CU		2-5 d	£45 ^B
Urine: creatinine	CREAU	RU CU ^D		4 h	£19 ^N
Urine: glucose	GLUCU	RU CU ^E		4 h	£19 ^N
Urine: magnesium	MGU	CU ^F		4 h	£19 ^N
Urine: phosphate inorganic	PHOSU	CU ^G		4 h	£19 ^N
Urine: potassium	KU	CU ^H		4 h	£19 ^N
Urine: protein total	TPU	RU CU ^I		4 h	£19 ^N
Urine: sodium	NAU	CU ^J		4 h	£19 ^N
Urine: urea	UREAU	CU ^K		4 h	£19 ^N
Urine: uric acid	UAU	RU CU ^L		4 h	£19 ^N

TEST/PROFILE INDEX

TEST	CODE	SAMPLE		TAT	PRICE
Urine: β_2 -microglobulin	B2MU	CU		2-7 d	£52 ^R
Vanillylmandelic acid	VMA	CU		2-10 d	£43 ^R
Varicella zoster virus IgG	VZVG	S		2-5 d	£27 ^R
Varicella zoster virus IgM	VZVM	S		2-5 d	£27 ^R
VDRL	VDRL	S		2-5 d	£25 ^R
Viral screen I	SH15	S		1-2 d	£106 ⁻
Viral screen II	SH18	S		1-2 d	£121 ⁻
Viral screen early detection	SH19	E E		5 d	£157 ^R
Vitamin C (Ascorbic Acid)	VC	S (frozen)		15 d	£89 ^N
Vitamin B ₁ (Thiamine)	VB1	E		2-10 d	£74 ^R
Vitamin B ₂ (Riboflavin)	VB2	E		2-10 d	£74 ^R
Vitamin B ₃ (Niacin; Nicotinamide)	VB3	S		15 d	£89 ^R
Vitamin B ₅ (Pantothenic Acid)	VB5	S		15 d	£89 ^R
Vitamin B ₆ (Pyridoxine)	VB6	E		10-15 d	£74 ^R
Vitamin B ₇ (Biotin; Vitamin H)	VB7	S		15 d	£89 ^R
Vitamin B ₁₂	VB12	S		4 h	£29 ^A
Vitamin B ₁₂ active	B12A	S		1-5 d	£47 ^N
Vitamin D 1.25 dihydroxy	VD1	S		2-7 d	£65 ^R
Vitamin D 25-OH	VD	S		4 h	£47 ^A
Vitamin screen	VP05	E S		10-15 d	£268 ⁻
Vitamin screen basic I	VP01	S		4 h	£63 ⁻
Vitamin screen basic II	VP06	S		4 h	£81 ⁻

TEST/PROFILE INDEX

TEST	CODE	SAMPLE	TAT	PRICE
Waalser-Rose	WR	S	2-5 d	£28 ^R
West Nile Virus PCR	WNV	S	15 d	£118 ^R
Yersinia enterocolitica IgM	YEM	S	2-5 d	£43 ^R
Yersinia enterocolitica IgG	YEG	S	2-5 d	£43 ^R
Yersinia IgA IgG	YAG	S	4-6 d	£78 ^R
Zika IgG IgM	ZIKA	S	16 d	£122 ^R
Zika PCR Serum	ZIKAS	S	16 d	£212 ^R
Zika PCR Urine	ZIKAU	FU	16 d	£212 ^R
Zinc RBC	RBCZN	E	8 d	£38 ^R
Zinc	ZN	S	2-10 d	£39 ^R
Zonulin	ZON	S	10 d	£89 ^R
α1- antitrypsin	AAT	S	2-7 d	£24 ^R
α1-acid glycoprotein	AAG	S	2-7 d	£36 ^R
β ₂ -GPI antibodies IgA	GPIA	S	2-7 d	£30 ^R
β ₂ -GPI antibodies IgG	GPIG	S	2-7 d	£30 ^R
β ₂ -GPI antibodies IgM	GPIM	S	2-7 d	£30 ^R
β ₂ -microglobulin	BMG	S	2-7 d	£52 ^R



GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
INFERTILITY				
Cystic Fibrosis (del 508)	Real-Time PCR	E	15 d	£102 ^R
Cystic Fibrosis 76.5%-85%	PCR-Hybridization	E	15 d	£212 ^R
Cystic Fibrosis 100%	Next Generation Sequencing	E	20 d	£290 ^R
Fragile X Syndrome	PCR	E	15 d	£364 ^R
HLA, Molecular Analysis of Histocompatibility Antigens (HLA)	PCR-SSP	E	20 d	£133 ^R per loci
Karyotype / Chromosome Analysis	G-Banding	L	25 d	£298 ^R
NK Cells (CD3/CD16/CD56)	Flow Cytometry	E	15 d	£164 ^R
Resistance to Intralipid	Flow Cytometry	E	15 d	£364 ^R
Sperm DNA Fragmentation and Sperm Apoptosis	FACS	Semen, 15-25°C	15 d	£303 ^R
Thrombophilia Panel 1 Factor II (G20210A), Factor V (Leiden G1691A), MTHFR (C677T)	PCR-hybridization	E	15 d	£213 ^R
Viral Factors (HSV 1/2, CMV)	Real-Time PCR	Any: 4°C	15 d	£223 ^R
Y Chromosome Microdeletions (AZF)	Multiplex PCR	E	15 d	£163 ^R
Lymphocyte subsets (CD3/CD4/CD8)		E	15 d	£163 ^R
Lymphocyte subsets (CD57)		E	15 d	£163 ^R
Lymphocyte subsets (CD69)		E L	15 d	£96 ^R
Th1/Th2 Cytokine Ratio Assay		L L	15 d	£265 ^R
Immunophenotyping of lymphocytes - (CD3/CD4/CD8/CD16/CD19/CD56)		E E	15 d	£263 ^R
NK cell cytotoxicity assay / Intralipid inhibition		L L	15 d	£268 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
CVD-13 Factor II [G20210A], Factor V [G1691A, A3980G], MTHFR [C677T, A1298C], Factor XIII [V34L], PAI-1, ApoB, ApoE, ACE, GPIa, GPIIIa, Fibrinogen-β	PCR-hybridization	E	15 d	£303 ^R
MOLECULAR ANALYSIS OF RARE HEREDITARY GENETIC DISEASES				
Bilateral Hearing Loss [35delG]	Real-Time PCR	E	15 d	£82 ^R
Bilateral Hearing Loss [Connexin 26]	PCR-Sequencing	E	20 d	£404 ^R
Cystic Fibrosis 100%	Next Generation Sequencing	E	20 d	£504 ^R
Familial Mediterranean Fever [12 mutations]	PCR-Hybridization	E	15 d	£223 ^R
Familial Mediterranean Fever [all mutations]	NGS	E	20 d	£810 ^R
Microdeletion Syndromes	MLPA	E	15 d	£243 ^R
Microdeletion Syndromes	FISH	L	15 d	£243 ^R
Molecular Karyotype	Array CGH	E	30 d	£464 ^R
SMA	MLPA	E	15 d	£223 ^R
HEMOCHROMATOSIS				
Hemochromatosis [2 mutations] HFE gene [2 most common mutations: Cys282Tyr / C282Y and His63Asp/H63D]	PCR-RFLPs	E	15 d	£143 ^R
Hemochromatosis [18 mutations] HFE gene [12 mutations: V53M, V59M, H63D, H63H, S65C, Q127H, P160delC, E168Q, E168X, W169X, C282Y, Q283P], TFR gene [4 mutations: E60X, M172K, Y250X, AVAQ594-597del], and FPN1 gene [2 mutations: N144H, V162del]	PCR-Hybridization	E	15 d	£253 ^R
THROMBOPHILIA				
Angiotensin-Converting Enzyme Mutation [ACE, I/D]	PCR-Hybridization	E	15 d	£92 ^R
Apolipoprotein B Mutation [R00Q]	Real-Time PCR	E	15 d	£92 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
Apolipoprotein B Mutation [R31C]	Real-Time PCR	E	15 d	£92 ^R
Apolipoprotein E (APO E) Polymorphism	Real-Time PCR	E	15 d	£92 ^R
Endothelial Nitric Oxide Synthase Polymorphism 786 T>C	PCR-Hybridization	E	15 d	£92 ^R
Factor II / Prothrombin Mutation [G20210A]	Real-Time PCR	E	15 d	£92 ^R
Factor V Mutation [R H1299A]	PCR-Hybridization	E	15 d	£92 ^R
Factor XIII Mutation [V34L]	PCR-Hybridization	E	15 d	£92 ^R
Fibrinogen B Mutation [-455G>A]	PCR-Hybridization	E	15 d	£92 ^R
Glycoprotein Polymorphism GPIa	Real-Time PCR	E	15 d	£92 ^R
Glycoprotein Polymorphism GPIIIa (HPA1a/b, L33P)	PCR-Hybridization	E	15 d	£92 ^R
Homocysteine Mutation [MTHFR, C677T]	Real-Time PCR	E	15 d	£92 ^R
Homocysteine Mutation [MTHFR, A1298C]	Real-Time PCR	E	15 d	£92 ^R
Lymphotoxin A Polymorphism 804 C>A	PCR-Hybridization	E	15 d	£92 ^R
Plasminogen Activator Inhibitor-1 [PAI-1] Mutation	Real-Time PCR	E	15 d	£92 ^R
Thrombophilia Panel 1 Factor II [G20210A], Factor V [Leiden G1691A], MTHFR [C677T]	PCR-hybridization	E	15 d	£213 ^R
Thrombophilia Panel 2 Factor II [G20210A], Factor V [Leiden G1691A], MTHFR [C677T], GP1a	PCR-hybridization	E	15 d	£233 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
Thrombophilia Panel 3 (risk of thrombosis) Factor II [G20210A], Factor V [G1691A, R H1299A], MTHFR [C677T,A1298C], Factor XIII [V34L], PAI-1, EPCR [A1,A3]	PCR-hybridization	E	15 d	£273 ^R
Thrombophilia Panel 3a (risk of thrombosis) Factor V [R H1299A], Factor XIII [V34L], PAI-1, EPCR [A1,A3]	PCR-hybridization	E	15 d	£223 ^R
Thrombophilia Panel 4 (risk of atherosclerosis) ACE, ApoB, ApoE, GPIIIa, Fibrinogen-β, eNOS [G894S, -786 T>C]	PCR-hybridization	E	15 d	£273 ^R
Thrombophilia Panel 5 (cardiovascular conditions) Factor II [G20210A], Factor V [G1691A, R H1299A], MTHFR [C677T,A1298C], Factor XII [V34L], PAI-1, ApoB, ApoE, ACE, GPIIIa, Fibrinogen-β	PCR-hybridization	E	15 d	£303 ^R

GENETIC PREDISPOSITION

HLA A Typing	PCR-SSCP	E	15 d	£153 ^R
HLA B Typing	PCR-SSCP	E	15 d	£153 ^R
HLA B-27	PCR-RFLPs	E	15 d	£72 ^R
HLA C Typing	PCR-SSCP	E	15 d	£153 ^R
HLA CLASS I [A, B, C]	PCR-SSP	E	15 d	£404 ^R
HLA CLASS I/II [A, B, C, DR, DQ]	PCR-SSP	E	15 d	£664 ^R
HLA CLASS II [DR, DQ]	PCR-SSP	E	15 d	£364 ^R
HLA DQ2/DQ8	PCR-SSCP	E	15 d	£133 ^R
HLA DQA1 Typing	PCR-SSCP	E	15 d	£153 ^R
HLA DQB1 Typing	PCR-SSCP	E	15 d	£153 ^R
HLA DRB1 Typing	PCR-SSCP	E	15 d	£153 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
PATERNITY TEST				
DNA Paternity test	PCR-Sequencing	E	15 d	£183 ^R per person
VIRUSES, BACTERIA, PARASITES AND FUNGI				
Acanthamoeba	Real-Time PCR	Any: 4°C	15 d	£173 ^R
Adenovirus	Real-Time PCR	Any: 4°C	15 d	£173 ^R
Arbovirus West Nile	Real-Time PCR	Any: 4°C	15 d	£233 ^R
Aspergillus spp.	Real-Time PCR	Any: 4°C	15 d	£173 ^R
Bacteria associated with infertility (Chlamydia, Mycoplasma, Ureaplasma)	Real-Time PCR	Any: 4°C	15 d	£310 ^R
Bacterial Diseases of the Respiratory System Staphylococcus aureus (MRSA), Streptococcus pneumoniae, Haemophilus spp, Moraxella catarrhalis, Chlamydomphila pneumoniae, Mycoplasma pneumoniae, Bordetella spp	PCR-microarrays	BAL, nasal swab, throat swab: 4°C	15 d	£354 ^R
Bacterial-Viral Diseases of the Respiratory System Influenza A/B/H1N1, Chlamydomphila pneumoniae, Parainfluenza 1/2/3/4, Legionella pneumophila, hMPV, Bordetella pertussis, Rhinovirus/Enterovirus, Adenovirus, Bocavirus, Mycoplasma pneumoniae, Coronavirus	Real-Time PCR	BAL, nasal swab, throat swab: 4°C	15 d	£354 ^R
Bartonella henselae	Real-Time PCR	Any: 4°C	15 d	£153 ^R
Bordetella pertussis/Parapertussis	Real-Time PCR	Any: 4°C	15 d	£133 ^R
Borrelia burgdorferi	Real-Time PCR	Any: 4°C	15 d	£153 ^R
Brucella genus	Real-Time PCR	Any: 4°C	15 d	£163 ^R
Chlamydiaceae (Chlamydia family)	Real-Time PCR	Any: 4°C	15 d	£163 ^R
Coxiellaburnetti	Real-Time PCR	Any: 4°C	15 d	£153 ^R
ENTEROBAC (Enteropathogenic bacteria)	PCR-microarrays	Stool, blood: 4°C	15 d	£314 ^R
Enterovirus (Coxsackie, Polio, Echo)	Real-Time PCR	Any: 4°C	15 d	£233 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
Fungi	Real-Time PCR	Any: 4°C	15 d	£173 ^R
HBV	Real-Time PCR	S	15 d	£139 ^R
HCV	Real-Time PCR	S	15 d	£149 ^R
HCV - genotyping	Real-Time PCR	S	15 d	£273 ^R
HDV	Real-Time PCR	S	15 d	£203 ^R
HHV-1/2 (HSV)	Real-Time PCR	Any: 4°C	15 d	£78 ^R
HHV-3 (VZV)	Real-Time PCR	Any: 4°C	15 d	£133 ^R
HHV-4 (EBV)	Real-Time PCR	Any: 4°C	15 d	£158 ^R
HHV-5 (CMV)	Real-Time PCR	Any: 4°C	15 d	£173 ^R
HHV-6	Real-Time PCR	Any: 4°C	15 d	£153 ^R
HHV-7	Real-Time PCR	Any: 4°C	15 d	£153 ^R
HHV-8	Real-Time PCR	Any: 4°C	15 d	£153 ^R
HIV-1	Real-Time PCR	S	15 d	£215 ^R
HIV-2	Real-Time PCR	S	15 d	£268 ^R
Human Papiloma Virus (HPV) - detection only	PCR	Cell suspension 15-25°C	15 d	£72 ^R
Influenza A subtype H1N1	Real-Time PCR	Cell suspension or serum: 4°C	15 d	£163 ^R
Influenza A,B	Real-Time PCR	Cell suspension or serum: 4°C	15 d	£218 ^R
Legionella pneumophila	Real-Time PCR	Any: 4°C	15 d	£163 ^R
Leishmania species	Real-Time PCR	Any: 4°C	15 d	£173 ^R
Listeria monocytogenes	Real-Time PCR	Any: 4°C	15 d	£153 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
Meningitis Panel (HSV 1, HSV 2, VZV, EBV, CMV, HHV 6, HHV 7, HHV 8, Enterovirus: Coxsackie, Polio, Entero)	PCR-microarrays	CSF, blood: 4°C	15 d	£303 ^R
Mycobacterium tuberculosis	Real-Time PCR	Any: 4°C	15 d	£153 ^R
Mycobacterium tuberculosis + Atypical Mycobacteria	Real-Time PCR	Any: 4°C	15 d	£253 ^R
Mycoplasma pneumoniae	Real-Time PCR	Any: 4°C	15 d	£153 ^R
Neisseria gonorrhoeae	Real-Time PCR	Any: 4°C	15 d	£102 ^R
Neisseria meningitidis	Real-Time PCR	Any: 4°C	15 d	£153 ^R
Parvovirus (Parvo B-19)	Real-Time PCR	Any: 4°C	15 d	£173 ^R
Pneumocystis carinii/jiroveci	Real-Time PCR	Any: 4°C	15 d	£173 ^R
Polyoma JC/BK Virus	Real-Time PCR	Blood, urine: 4°C	15 d	£173 ^R
Rabies Virus	Real-Time PCR	Any: 4°C	15 d	£218 ^R
Respiratory Syncytial Virus (RSV)	Real-Time PCR	Any: 4°C	15 d	£218 ^R
Rickettsia spp.	Real-Time PCR	Any: 4°C	15 d	£153 ^R
Rubella Virus	Real-Time PCR	Any: 4°C	15 d	£218 ^R
SEPTIBAC (Gram +/- Rot Pathogens and Fungi)	PCR-microarrays	CSF, blood: 4°C	15 d	£354 ^R
STI Detection Panel Chlamydia, Mycoplasma, Ureaplasma, Neisseria gonorrhoeae, Trichomonas vaginalis, Treponema pallidum, Haemophilus ducreyi, HSV I/II, Candida spp.	PCR-microarrays	Sperm, cervical fluid: 4°C	15 d	£288 ^R
Streptococcus pneumoniae	Real-Time PCR	Any: 4°C	15 d	£118 ^R
Toxoplasma gondii	Real-Time PCR	Any: 4°C	15 d	£153 ^R
Treponema pallidum (syphilis)	Real-Time PCR	Any: 4°C	15 d	£153 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
Viral Diseases of the Respiratory System (Influenza A/B/C, Parainfluenza 1/2/3/4a/4b, RSV A/B, Rhinovirus, Adenovirus, Echovirus, Bocavirus, Coronavirus, Metapneumovirus A/B)	PCR-microarrays	BAL, nasal swab, throat swab: 4°C	15 d	£293 ^R
CML				
ABL deletion, del(9q34)	FISH	L	15 d	£258 ^R
ABL Mutations	SEQUENCING	E	20 d	£258 ^R
BCR-ABL	FISH	L	15 d	£258 ^R
BCR-ABL detection (p210 & p190)	PCR nested	E	15 d	£208 ^R
BCR-ABL quantification t(9;22)(q34;q11)	Real Time PCR	E	15 d	£263 ^R
i(17q)	FISH	L	15 d	£258 ^R
Trisomy 8	FISH	L	15 d	£258 ^R
UGT1A1	Fragment Analysis	E	15 d	£213 ^R
PANELS				
BREAST/OVARIAN CANCER (pancreas, parathyroid, kidney, endometrium, colon, gastrointestinal) Genes: BRCA1, BRCA2, BARD1, BRIP1, RAD51C, RAD51D, TP53, MRE11A, RAD50, NBN, FAM175A, ATM, PALB2, STK11, MEN1, PTEN, CDH1, MUTYH, CHEK2, BLM, XRCC2, EPCAM, MLH1, MSH6, PMS2, MSH2	NGS	E E	20 d	£964 ^R
SOMATIC CA -2 (Glioblastoma, colon, lungs, breast, ovaries, endometrium, gastrointestinal) Genes: PTEN, EGFR, PIK3CA, ERBB2, PIK3R	NGS	E E	20 d	£859 ^R
SOMATIC CA -3 (Glioblastoma, colon, lungs, breast, ovaries, endometrium, gastrointestinal, etc.) Genes: ALK, BRAF, CDKN2A, CTNNB1, DDR, EGFR, FGFR, FGFR, H3F3A, HIST1H3B, HRAS, KIT, KRAS, MEK1, NRAS, PIK3CA, PTEN, STK11, ERBB2, ERBB4	NGS	E E	20 d	£959 ^R

GENETICS

TEST	METHOD	SAMPLE	TAT	PRICE
BREAST				
AKT1 deletion/duplication	MLPA	E	90 d	£599 ^R
AKT1 full sequencing		E	30 d	£1389 ^R
AKT1 single exon		E	25 d	£278 ^R
BRCA 1 & 2 SOMATIC MUTATIONS (PARPi TREATMENT)	NGS	E	20 d	£959 ^R
BRCA1&2	NGS	E	20 d	£859 ^R
BRCA1&2 (deletions/duplications)	MLPA	E	35 d	£510 ^R
BRCA1&2 + MLPA (deletions/duplications)	NGS	E E	20 d	£1110 ^R
Breast Cancer Panel Analysis of the most frequently mutated genes associated with breast/ovarian cancer (26 genes: BRCA1, BRCA2, BARD1, BRIP1, D51C, RAD51D, TP53, MRE11A, RAD50, NBN, FAM175A, ATM, PALB2, STK11, MEN1, PTEN, CDH1, MUTYH, CHEK2, BLM, XRCC2, EP)	NGS	E E	30 d	£1110 ^R
p53 deletion/duplication	MLPA	E	20 d	£359 ^R
p53 full sequencing	NGS	E	20 d	£710 ^R
p53 full sequencing + deletion/duplication	NGS + MLPA	E E	20 d	£860 ^R

SPECIMEN CODES

Specimen codes

^A - Random urine.

Collect urine without additives. α -Amylase is unstable in acid urine. Assay promptly or adjust pH to alkaline range (just above pH 7) before storage.

^B - 24h urine collection.

Urine specimens should be collected in acid - washed bottles. 24 hour specimens should be collected in containers containing 20-30 mL of 6 mol/L HCl to prevent calcium salt precipitation. Precipitated calcium salts may not be completely dissolved by the addition of HCl following urine collection.

^C - 24 hour urine collection.

24 hour urine collection without addition of preservatives and/or stabilizers. Store refrigerated during collection.

^D - 1st morning urine or 24h urine collection.

Collect urine without using additives. If urine must be collected with a preservative for other analytes, only hydrochloric acid (14 to 47 mmol/L urine, e.g. 5 mL 10 % HCl or 5 mL 30 % HCl per liter urine) or boric acid (81 mmol/L, e.g. 5 g per liter urine) may be used.

^E - 1st morning urine or 24h urine collection.

Collect urine in a dark bottle. For 24-hour urine collections, glucose may be preserved by adding 5 mL of glacial acetic acid to the container before collection. Unpreserved urine samples may lose up to 40 % of their glucose after 24-hour storage at room temperature. Therefore, keep samples on ice during collection.

^F - 24h urine collection.

Urine samples should be acidified to pH 1 with concentrated HCl to prevent precipitation of magnesium ammonium phosphate. Collect urine samples in metal-free container.

^G - 1st morning urine or 24h urine collection.

Urine should be collected in an acid-washed, detergent-free container. Acidify with hydrochloric acid after collection (pH < 3).

^H - 24 hour urine collection.

24 hour urine collection without addition of preservatives and/or stabilizers. Store refrigerated during collection.

^I - Random urine or 24h urine collection.

Use no preservatives. Refrigerate specimen during collection. Samples for urinary/CSF protein should be collected before fluorescein is given or at least 24 hours later.

^J - 24 hour urine collection.

24 hour urine collection without addition of preservatives and/or stabilizers. Store refrigerated during collection.

^K - 24 hour urine collection.

Bacterial growth in the specimen and high atmospheric ammonia concentration as well as contamination by ammonium ions may cause erroneously elevated results.









^L - 1st morning urine or 24h urine collection.

Assay urinary uric acid as soon as possible. Do not refrigerate. To prevent ureate precipitation in urine samples, add sodium hydroxide to keep the urine alkaline (pH > 8.0). To achieve stated uric acid stability, add NaOH prior to sample collection.

SPECIMEN CODES

h – hour(s)
d – day(s)
w – week(s)

S	SST/gel – serum	RU	Random urine	BS	Blue swab
E	EDTA	FU	First catch urine	GS	Grey/Orange swab
C	Citrate	CU	24 hour urine collection (state total volume)	CS	Chlamydia swab
G	Fluoride oxalate	DS	DipSlide	PCR	PCR swab
L	Lithium heparin	H	Histology	TP	Thin prep vial
		F	Faeces	NT	US report

- Turnaround time
-  Contact the laboratory for special sample tubes/containers/instructions.
-  Send to the laboratory without delay. Samples must arrive in the laboratory on the same day of sample taking. Contact the laboratory. Samples need handling urgently.
-  Clinical history must be provided.
-  Samples should be double spun and separated and frozen within 0.5 hour of sample taking. Samples must be transported as frozen.
-  Protect from light.
-  Samples should be spun and separated and store at 2-8°C and contact the laboratory.
 Homocysteine: Should be spun and separated with 1 hour of venepuncture and store at 2-8°C.
 Citrate Samples: Samples should be double spun and separated within 4-8 hours of sample taking and store at 2-8°C, if a delay is expected with transportation contact the laboratory.
-  Sample must be labelled by hand with first name, family name and date of birth detailed on sample and form.
-  Provide sample time and date of collection.

- A UKAS accredited
- N Non-accredited
- R Referral laboratories
- E Research method
- R1 Plusma
- R2 Genotypos
- R3 Locus Medicus
- R4 Iratiki Frontida
- R5 Cytolab
- R6 The Doctors Laboratory
- R7 Medisyn
- R8 Advanced Histopathology Laboratory
- R9 Research Centre of Molecular Medicine and Biotechnology
- R10 Synlab

TERMS AND CONDITIONS

1. THE SERVICES

1. MD warrants to its Clients that:
 1. Its Services will be provided in accordance with the UKAS medical laboratory accreditation standard (ISO 15189); and the people providing the Services will be suitably skilled. Every care will be taken to ensure best possible accuracy.
 2. On request, MD may arrange for collection of Samples from locations within London (being for these purposes the area within the M25 motorway) at extra cost. Sample collection also has separate fee stated on the website.
 3. The Client acknowledges that, except as expressly provided in this Agreement, MD gives no warranties or representations to the Client (whether express or implied) in respect of the Services. In particular, whilst every effort is made to achieve the turn-around times quoted by MD for the conduct of Tests are indicative and no warranty or guarantee is given that such turn-around times will be achieved in any particular instance. Turn-around times are quoted as working days. The laboratory operates from Monday to Saturday. The Client shall notify MD in writing (or verbally if writing is not possible) of any clinical information relevant to the Services and provide MD with such other information as MD may reasonably be expected to require concerning the Samples supplied by the Client and the persons from whom they were taken to enable MD to conduct the Tests and to report thereon. The Client shall ensure that all Samples and Pathology Request Forms are labelled with the patient's given name, surname, date of birth, and date and time of collection. High risk samples must be clearly labelled and packed separately from other Samples.
 4. MD will accept no responsibility for any error or defect in a Test or the report thereon consequent upon any inaccuracies in or omissions from the information supplied by the Client nor for any consequences of such errors or defects, and the Client shall indemnify and hold harmless MD and their respective directors, officers, employees and agents, in respect of all liabilities, costs, claims, loss, damage, demands, action and expenses (to include any settlements or ex-gratia payments and reasonable legal and expert costs and expenses) arising directly or indirectly from any breach of clause 1.4.
 5. Upon completion of a Test the Sample relating thereto may be stored for a few days to enable repeat testing for verification purposes and thereafter destroyed or disposed of by MD unless otherwise agreed

2. PRICE AND PAYMENT TERMS

1. The fees payable by the Client for the conduct of the Services shall, unless otherwise formally agreed, be the prices specified in MD's Laboratory Guide for the applicable Tests or other Services at the time those Tests or Services are requested.
2. As at the date of these Terms and Conditions VAT is not payable on MD's Services. If the Services subsequently become subject to VAT, this will be charged in addition at the applicable rate.
3. Invoices are normally issued on the day of the test for patients and on a monthly basis for referrers such as clinics, diagnostic centres and practitioners, but MD reserves the right to issue them more frequently. Invoices to organisations (clinics, other laboratories and healthcare providers) are payable within 30 days of issue unless otherwise agreed. At MD's option interest may be charged on late payment at the statutory rate prescribed from time to time by regulations under the Late Payments of Commercial Debts (Interest) Act 1998. Invoices paid from outside the UK must be paid by either

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direct bank transfer or by cheque drawn on a UK branch. All payments shall be made in pounds sterling or pound sterling equivalent.

3. CONFIDENTIALITY

1. MD agrees that it will hold and maintain the confidence of; all information of a confidential nature which is received by MD from the Client or its patients in connection with the Services; and all Test results, invoices and other information of a confidential nature issued by MD to the Client or its patients in connection with the Services. MD will save with the Client's consent or as otherwise permitted under this Agreement, but will not disclose such information other than to its professional staff, independent consultants and/or persons to whom it has delegated the performance of the Tests and who require the information for such purpose, and provided that where MD has been provided with the details of a patient's private medical insurance in connection with the Services, it shall be entitled to assume (and the Client so warrants) that both the Client and the patient consent to the disclosure of information relating to that patient to the insurer concerned.
2. The restrictions in clause 3.1 shall not apply to information which: (i) was in MD's possession prior to disclosure by the Client; or (ii) is now or hereafter comes into the public domain other than by default of MD; or (iii) was lawfully received by MD from a third party acting in good faith having a right of further disclosure; or (iv) is required by law to be disclosed by MD; or (v) which is required by a regulatory or accreditation body to be disclosed to it for the purpose of regulating or accrediting MD.

4. LIABILITY AND INDEMNITY

1. The Client warrants and represents that it will:
 1. comply with all relevant laws, regulations and guidelines applicable to the jurisdiction in which it is situated (including any applicable data protection laws) for the collection of the Samples being referred for Tests and their shipment to MD (which may include conduct of the tests and shipment outside of the EEA);
 2. obtain all consents and permissions required (whether by law (including under the Data Protection Legislation), good medical practice or otherwise) in order to permit the conduct of the Tests on the Samples and the use of the Protected Data as contemplated in these Terms and Conditions (provided that, without prejudice to the foregoing obligation, the Client agrees to use any consent forms specified by MD);
 3. provide MD confirmation that it has complied with all relevant laws applicable to the jurisdiction in which it is situated (including any applicable data protection laws) for the collection of the Samples which they are referring for the Tests and their shipment to MD and where necessary on to an overseas testing laboratory;
 4. shall indemnify and hold harmless MD and their respective directors, officers, employees and agents, in respect of all liabilities, costs, claims, loss, damage, demands, action and expenses (to include any settlements or ex-gratia payments and reasonable legal and expert costs and expenses) arising directly or indirectly from any breach of this clause 4.1.
 5. Subject at all times to clause 4.4 and whether or not MD has been advised of the possibility of such loss, MD shall not

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be liable in respect of the Services in contract, tort (including negligence) or otherwise howsoever arising for any claim, damage, loss or costs in respect of: any direct loss of profit; any direct loss of anticipated savings; or any indirect or consequential loss or damage howsoever caused including without limitation, any indirect loss of profit, loss of anticipated profit including loss of profit on contracts, loss of the use of money, loss of anticipated savings, loss of business, loss of opportunity, loss of goodwill, loss of reputation; and/or loss of data.

6. To the extent not covered by any other limitations the maximum liability of MD to the Client under or in connection with this Agreement, whether arising in contract (including under any indemnity), tort (including negligence), breach of statutory duty or otherwise, shall be £1,000,000 less any sums paid by MD to any patient of the Client or other third party in satisfaction of a liability arising out of the same facts and circumstances.
7. The limitations and exclusions in these Terms and Conditions shall only apply where permitted under applicable law.

5. THIRD PARTIES

For the purposes of the Contracts (Rights of Third Parties) Act 1999 and notwithstanding any other provision of this Agreement these Terms and Conditions are not intended to, and do not, give any person who is not a party to it any right to enforce any of the provisions, except that any sub-contractor of MD and the servants and agents of MD and any such sub-contractor are third parties to these Terms and Conditions within the meaning of that Act and shall be entitled to enforce these Terms and Conditions accordingly.

6. FORCE MAJEURE

If the performance of this Agreement or any obligation under (except for an obligation to pay) it is prevented, restricted or interfered with by reason of circumstances beyond the reasonable control of that party obliged to perform it (including, without limitation, flood, fire, storm, strike, lockout, sabotage, terrorist act, civil commotion and government intervention), the party so affected shall (upon giving prompt notice thereof to the other party) be excused from performance to the extent only of the prevention, restriction or interference, provided always that the party so affected shall use all reasonable endeavours to avoid or remove the causes of non-performance and shall continue performance as expeditiously as possible as soon as such causes have been removed.

7. DATA PROCESSOR AND DATA CONTROLLER

1. Insofar as MD processes Protected Data in providing the Services the parties agree that:
 1. MD shall process Protected Data in compliance with:
 1. the obligations of Data Processors under Data Protection Laws; and
 2. the terms of clauses 7 to 18 (inclusive).
 2. The Client warrants, represents and undertakes, that:
 1. in connection with the Protected Data it has complied and shall continue to comply in all respects with Data Protection

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Laws, including in terms of its collection, storage and processing (which shall include the Client providing all of the required fair processing information to, and obtaining all necessary consents from, Data Subjects); and

2. all instructions given by it to MD in respect of Personal Data shall at all times be in accordance with Data Protection Laws.

8. INSTRUCTIONS AND DETAILS OF PROCESSING

1. Insofar as MD processes Protected Data on behalf of the Client, MD:
 1. unless required to do otherwise by Applicable Law, shall (and shall take steps to ensure each person acting under its authority shall) process the Protected Data only on and in accordance with the Client's documented instructions as set out in the request for Services pursuant to the Terms & Conditions.
 2. if Applicable Law requires it to process Protected Data other than in accordance with the Processing Instructions, shall notify the Client of any such requirement before processing the Protected Data (unless Applicable Law prohibits such information on important grounds of public interest); and
 3. shall promptly inform the Client if MD becomes aware of a Processing Instruction that, in MD's opinion, infringes Data Protection Laws, provided that, to the maximum extent permitted by Applicable Law, MD shall have no liability howsoever arising (whether in contract (including any indemnity), tort (including negligence) or otherwise) for any losses, costs, expenses or liabilities (including any Data Protection Losses) arising from or in connection with any processing in accordance with the Client's Processing Instructions following the Client's receipt of any notice pursuant to this clause 8.1.3.

9. TECHNICAL AND ORGANISATIONAL MEASURES

1. In relation to the processing of the Protected Data, MD shall implement and maintain, at its cost and expense, the Technical and Organisational Measures.
2. Any additional technical and organisational measures shall be at the Client's cost and expense.
3. This cancellation right does not apply if:

10. USING STAFF AND OTHER PROCESSORS

1. MD shall not engage any Sub-Processor for carrying out any processing activities in respect of the Protected Data that MD processes on behalf of the Client without the Client's written authorisation of that specific Sub-Processor (such authorisation not to be unreasonably withheld, conditioned or delayed) provided that the Client hereby authorises the appointment of the Authorised Sub-Processors.
2. MD shall:
 1. prior to the relevant Sub-Processor carrying out any processing activities in respect of the Protected Data, appoint each Sub-Processor under a written contract containing materially the same obligations as clauses 7 to 18 (inclusive), that is enforceable by MD;

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2. ensure each such Sub-Processor complies with all such obligations; and
3. remain fully liable for all the acts and omissions of each Sub-Processor as if they were its own.
3. MD shall ensure that all persons authorised by it (or by any Sub-Processor) to process Protected Data are subject to a binding obligation to keep the Protected Data confidential (except where disclosure is required in accordance with Applicable Law, in which case MD shall, where practicable and not prohibited by Applicable Law, notify the Client of any such requirement before such disclosure).

11. ASSISTANCE WITH THE CLIENT'S COMPLIANCE AND DATA SUBJECT RIGHTS

1. Taking into account the nature of the processing MD shall maintain reasonable measures to assist the Client to respond to the Data Subject Requests relating to the Protected Data.
2. MD shall refer all Data Subject Requests it receives to the Client promptly, and in any event within five Business Days of receipt of the request.
3. MD shall provide such reasonable assistance as the Client reasonably requires (taking into account the nature of processing and the information available to MD) to the Client in ensuring compliance with the Client's obligations under Data Protection Laws with respect to:
 - security of processing, notifications to the Supervisory Authority and/or communications to Data Subjects by the Client in response to any Personal Data Breach, provided the Client shall pay MD's charges for providing the assistance in this clause, such charges to be calculated on a time and materials basis at MD's applicable daily or hourly rates in force from time to time.

12. RECORDS, INFORMATION AND AUDIT

1. MD shall maintain, in accordance with Data Protection Laws binding on MD, electronic records of all categories of processing activities carried out on behalf of the Client.
2. MD shall, in accordance with Data Protection Laws, make available to the Client such information as is reasonably necessary to demonstrate MD's compliance with its obligations under Article 28 of the GDPR (and under any Data Protection Laws equivalent to that Article 28), and allow for and contribute to audits, including inspections, by the Client (or another auditor mandated by the Client) for this purpose, subject to the Client:
 1. giving MD reasonable prior notice of such information request, audit and/or inspection being required by the Client ;ensuring that all information obtained or generated by the Client or its auditor(s) in connection with such information requests, inspections and audits is kept strictly confidential (save for disclosure to the Supervisory Authority or as otherwise required by Applicable Law) and ensuring that such audits or inspections are undertaken during normal business hours, with minimal disruption to MD's business, the Sub-Processors' business and the business of other customers of MD; and will cover the costs MD will incur during these inspections.

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13. BREACH NOTIFICATION

In respect of any Personal Data Breach involving Protected Data that MD processes on behalf of the Client, MD shall, without undue delay notify the Client of the Personal Data Breach; and provide the Client with details of the Personal Data Breach.

14. DELETION OR RETURN OF PROTECTED DATA AND COPIES

MD shall, at the Client's written request, either delete or return all the Protected Data to the Client in such form as the Client reasonably requests within a reasonable time after the end of the provision of the relevant Services related to processing; and delete existing copies.

15. PROTECTED DATA THAT MD PROCESSES AS A DATA CONTROLLER

1. MD may retain and submit to Public Health England or another Health Authority in the United Kingdom such extracts from the Protected Data as are required for the purposes of a Public Health Programme operated by that Health Authority (Public Health Data).
2. MD may retain such copies of the Protected Data and such records of processing in connection with the Services (the Processing Records) as MD requires to maintain its accreditation with UKAS and as required by the Royal College of Pathologists (in accordance with its retention and storage of pathological records and specimens guidelines).
3. MD shall ensure that its processing of the Processing Records and the Public Health Data is in accordance with the Data Protection Laws subject to the terms of this Agreement.

16. LIABILITY, INDEMNITIES AND COMPENSATION CLAIMS

1. MD shall indemnify and keep indemnified the Client in respect of all Data Protection Losses suffered or incurred by, or awarded against the Client arising from or in connection with any; non-compliance by MD with the Data Protection Laws (in so far as these impose obligations on Data Processors); any processing of Protected Data carried out by MD outside the Processing Instructions; breach by MD of any of its obligations under clauses 7 to 18 (inclusive),
2. The Client shall indemnify and keep indemnified MD in respect of all Data Protection Losses suffered or incurred by, or awarded against, MD and any Sub-Processor arising from or in connection with any; non-compliance by the Client with the Data Protection Laws; processing carried out by MD or any Sub-Processor pursuant to any Processing Instruction that infringes any Data Protection Law; or breach by the Client of any of its obligations under clauses 7 to 18 (inclusive), except to the extent set out in clause 16.3.
3. A party shall not be liable for Data Protection Losses (howsoever arising, whether in contract (including any indemnity), tort (including negligence) or otherwise) to the extent that such Data Protection Losses (or the circumstances giving rise to them) are contributed to or caused by any breach of clauses 7 to 18 (inclusive) by the other party.

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4. If a party receives a compensation claim from a person relating to processing of Protected Data, it shall promptly provide the other party with notice and full details of such claim. The party with conduct of the action shall:
 1. make no admission of liability nor agree to any settlement or compromise of the relevant claim without the prior written consent of the other party (which shall not be unreasonably withheld or delayed); and
 2. consult fully with the other party in relation to any such action, but the terms of any settlement or compromise of the claim will be exclusively the decision of the party that is responsible for paying the compensation.
5. The parties agree that the Client shall not be entitled to claim back from MD any part of any compensation paid by the Client in respect of such damage to the extent that the Client is liable to indemnify MD in accordance with clause 16.2.
6. This clause 16 is intended to apply to the allocation of liability for Data Protection Losses as between the parties, including with respect to compensation to Data Subjects, notwithstanding any provisions under Data Protection Laws to the contrary, except: to the extent not permitted by Applicable Law (including Data Protection Laws); and that it does not affect the liability of either party to any Data Subject.

17. LIABILITY, INDEMNITIES AND COMPENSATION CLAIMS

1. This clause and clauses 7 to 17 (inclusive) shall survive termination (for any reason) or expiry of the Services and continue:
 1. indefinitely in the case of clauses 15 and 16; and
 2. until 2 months following the earlier of the termination or expiry of the Services in the case clauses 7 to 16 (inclusive), provided always that any termination or expiry of clauses 7 to 16 (inclusive) shall be without prejudice to any accrued rights or remedies of either party under any such clauses at the time of such termination or expiry.

18. GENERAL

1. Dispute resolution
 1. If any dispute arises relating to this Agreement or any breach or alleged breach of this Agreement, the parties shall make a good faith effort to resolve such dispute without recourse to legal proceedings. If, notwithstanding such good faith efforts, the dispute is not resolved either party may submit the dispute to the jurisdiction of the English Court.
 2. Except to the extent clearly prevented by the area of dispute, the parties will continue to perform their respective obligations under this Agreement while such dispute is being resolved.
2. Variation

Any amendments to this Agreement shall not be effective unless in writing and signed by an authorised signatory on behalf of each of the parties. The terms of this Agreement may be varied by agreement of the parties but without the consent of any third party whether or not the rights of such third party are affected by such variation. The Client shall not unreasonably withhold, delay or condition its agreement to any variation to this Agreement requested by MD in order to ensure the Services and MD (and each Sub-Processor) can comply with any change in Applicable Laws.
3. Rights and waiver

All rights granted to either of the parties shall be cumulative and not exhaustive of any rights and remedies provided by

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law. The failure of either party to enforce [or delay in enforcing] at any time for any period any one or more of the terms of this Agreement shall not be a waiver of such term or of the right of such party at any time subsequently to enforce all the terms of this Agreement.

4. Severability

If any provision of this Agreement is or becomes invalid, illegal or unenforceable in any respect under any law, the validity, legality and enforceability of the remaining provisions will not be in any way affected.

5. Assignment

MD may assign or sub-contract the performance of this Agreement (in whole or in part) or any one or more of the Tests to be performed hereunder to suitably accredited laboratories including those listed in the Laboratory Guide. The Client may not assign this Agreement or any of its rights or obligations hereunder without the prior approval of MD.

6. Relationship of the parties

It is acknowledged and agreed that MD and the Client are independent contractors and nothing in this Agreement shall create or be construed as creating a partnership or a relationship of agent and principal between the parties.

7. Notices

All notices given under this Agreement shall be in writing and shall be delivered by hand or sent by prepaid first class post or by prepaid first class recorded delivery. All notices shall be delivered at or sent, in the case of MEDICAL DIAGNOSIS, UNIT 12 CENTRAL BUSINESS CENTRE, NEASDEN NW10 0UR, LONDON and, in the case of the Client to the address specified in the Pathology Request Form submitted by the Client (or such other address as that party shall notify in writing to the other for this purpose). A notice sent by post shall be deemed to be served at 9.00 am on the second business day following the date of posting; a notice sent by electronic mail shall (subject to posting of a hard copy as provided above) be deemed to have been served at the time it is transmitted if transmitted within business hours (9.00 am to 6.00 pm) on a business day or, if transmitted outside such business hours on a business day or on a day which is not a business day as soon thereafter as such business hours commence.

8. Entire agreement

These Terms and Conditions and the documents referred to in them contain the entire Agreement in respect of its subject matter. Each party acknowledges that it has not entered into the Agreement in reliance on, and shall have no remedies in respect of, any representation or warranty that is not expressly set out in these Terms and Conditions except in the case of fraudulent misrepresentation.

9. Governing law

This Agreement and any dispute arising out of or in connection with it (including non-contractual disputes and claims) shall be governed by and construed in accordance with English law and each of the parties submits to the exclusive jurisdiction of the English Courts.

