

Cellular Pathology User Handbook

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11.8	Updated email address for requesting andrology kits Updated staffing list and emails of staff listed page 8 Updated contact information for Clinical Neuropathology at KCH	May 2025
11.7	Added section 6.4 Consideration of Measurement Uncertainty for Andrology results.	June 2024
11.6	Updated Andrology section for additional test request details. Replaced references for paper forms and EPR/RRS with Epic throughout Replaced references of Datix with RADAR Updated Laboratory staff list Updated Consultant Pathologist List. Updated references. Added guidance to users – section 3.1.1 formalin fixed tissue not to be placed in fridge Added advice to send referral cases via special delivery and notify the department in advance. Removed EM – no longer provided by STH.	April 2024

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1. Introduction

1.1 Purpose

This handbook is intended to serve as a user guide to the services available from the Cellular Pathology Laboratory based at St Thomas' Hospital, with some services provided from the Guy's Hospital site (see below for specific service locations). It is aimed for use by all staff groups involved with requesting Histological or Cytological investigations.

1.2 ABOUT US

The Synnovis Analytics Cellular Pathology laboratory is a UKAS (United Kingdom Accreditation Service) accredited medical laboratory (No. 9323); accredited to ISO15189:2012 for the scope described in the UKAS Schedule of Accreditation which can be found on the UKAS web-site: <https://www.ukas.com/find-an-organisation>.

Please note that the Advanced Diagnostics Laboratory currently holds a Flexible Scope for certain Immunohistochemistry and In-Situ Hybridisation tests. An up-to-date, full list of these is maintained in CPH-INST-395, and is also accessible on the Synnovis website: <http://www.synnovis.co.uk/departments-and-laboratories/histology-histopathology-laboratory-at-st-thomas>.

At the time of writing, certain tests and services provided by the laboratory are not covered by the UKAS scope of accreditation. Users of the Cellular Pathology service should refer to the UKAS schedule of accreditation on the UKAS web-site, for a list of currently accredited tests.

1.2.1 Histopathology Laboratory

Histopathology provides a comprehensive tissue diagnostic service to Guy's and St. Thomas' Hospitals, district general hospitals networked within the South East London Cancer network and local general practitioners. It serves the regional cancer centre and is also a national and international referral centre for expert opinion. The specialist diagnostic and scientific teams aim to deliver a high-quality service with cutting edge diagnostic techniques through close links with the cytogenetics and molecular diagnostics department. Multidisciplinary team meetings (MDM) are held across both sites enabling close integration of clinical teams and specialist pathologists.

Areas of expertise include:

- Adult and Perinatal / Paediatric autopsy
- Bone, joints and synovial (BJS)
- Breast
- Cardiovascular System (CVS)
- Endocrine
- General
- Gastrointestinal
- Gynaecology
- Haematopathology
- Liver
- Perinatal
- Renal (Adult and Paediatric including Transplantation)
- Respiratory

- Urology

The laboratory works in conjunction with the St. John's Dermatopathology Laboratory, also at St. Thomas' Hospital (skin samples), and Head and Neck/Oral Pathology (head & neck and maxillo-facial samples) at Guy's Hospital.

Frozen sections

In addition to processing fixed tissue, the department offers a frozen section service at both Guy's and St Thomas' sites, incorporating receipt of fresh tissue for diagnostic purposes, enzyme histochemistry, research, clinical trials and tissue banking. At Guy's Hospital, this service is based in the Head & Neck/Oral Pathology laboratory - currently, this service at Guy's is not included in the UKAS schedule of accreditation for the Histopathology laboratory.

Immunocytochemistry and molecular pathology

Within the laboratory there is an immunohistochemistry laboratory which is a referral centre for HER-2 and PD-L1 testing. The laboratory also employs in-situ hybridization (ISH).

The laboratory offers clonality testing (PCR) on FFPE samples, as well as on blood and other body fluid samples – this service is based within the Molecular Oncology laboratory at Guy's Hospital.

Renal histopathology

The dedicated renal histopathology service offers Biomedical Scientist (BMS) attendance at wards at both Guy's and St Thomas' Hospitals for assistance with biopsy collection (Monday to Friday) and an on-call Saturday service.

1.2.2 Cytopathology Laboratory

Non-Gynaecological Cytology

This includes evaluation of body cavity fluids and brushings from various sites in the body. The ability to prepare cell blocks and treat fluid specimens like tissue blocks has improved the detection of primary and metastatic cancer and the ability to determine the primary site of origin of metastatic cancer.

As well as a full non-gynaecological cytology service (specimen receipt to reporting) at St Thomas' Hospital, the department also provides the non-gynaecological laboratory service at King's College Hospital (KCH); reports for all KCH specimens are issued by the KCH Cellular Pathology service.

Fine Needle Aspiration Cytology

The department supports a comprehensive FNA service for Guy's, St Thomas' and King's College Hospitals. Pathologists and senior BMS staff attend clinics, ward, intra-operative and image guided FNA's to assess adequacy and ensure sufficient material is collected for ancillary testing like microbiology, immunocytochemistry, flow cytometry and cytogenetics. This approach allows for a rapid, confident and complete diagnosis reducing the need for a surgical biopsy in a large number of cases and shortening the overall diagnostic pathway of the patient.

Andrology Testing

This includes routine analysis for infertility cases and evaluation of post vasectomy specimens.

Note: gynaecological/cervical cytology samples are no longer processed or reported by the Synnovis Analytics Cytopathology service at GSTT. This aspect of the service was transferred to CSL (Cervical Screening London) on 2nd December 2019. Any queries relating to samples taken after that date should be directed to CSL on Tel: 020 7460 4851.

2. CONTACT US

The Cellular Pathology department is located on second floor of the North Wing, St Thomas' Hospital. All visitors should access the department via the main entrance and report to reception where they will be directed to a named individual.

2.1 Contact address

CELLULAR PATHOLOGY DEPARTMENT
2nd Floor, North Wing
St. Thomas' Hospital
Westminster Bridge Road
London
SE1 7EH

2.2 Telephone enquiries

Histology Enquiries Tel 0207 188 9191
Cytology Enquiries Tel 0207 188 2915/2916 Fax 0207 188 8989
FNA and Andrology Appointments Tel 0207 188 2941

2.3 Order of semen analysis kits

To order semen analysis kits (specific sample container & request form):

Email: synnovis.customerservices@nhs.net

2.4 Hours of opening

The department is open from 09:00 – 17:00, Monday to Friday (except bank holidays). Saturday mornings and bank holiday service are available for urgent renal biopsies.

2.5 Clinical advice and interpretation

Phone the general enquiries number and the secretarial staff will put you through to the Consultant Pathologist reporting the case you require.

2.5.1 Histology Enquiries:

Tel 0207 188 9191

2.5.2 Cytology Enquiries:

Tel 0207 188 2915/2916
Fax 0207 188 8989

2.6 Staff contact details

Clinical Lead

Dr Giuseppe Culora giuseppe.culora@gstt.nhs.uk Ext 82925

Cytology Clinical Lead

Dr Ashish Chandra ashish.chandra@gstt.nhs.uk Ext 82946/58362

2.7 Consultants and Specialties

Consultants	Speciality	Extension
Dr Mudher Al-Adnani	Perinatal	82918
Dr Maria Buttice	Gastrointestinal, Non-gynae Cytology	57067
Dr Ali Ahmed	Gynaecology, Breast	57603
Dr Ashish Chandra	Urology	82946/58362
Dr Giuseppe Culora	Gynaecology, Non-gynae Cytology	82925
Dr Harriet Deere	Gastrointestinal	82927
Dr Simi George	Perinatal, Gastrointestinal	82917
Dr Baljit Gill-Barman	Gastrointestinal, Non-gynae Cytology	88507
Dr Anna Green	Haematopathology	50885
Dr Mike Green	Gastrointestinal, General	88542
Dr Mohammad Haini	Perinatal	81945
Dr Catherine Horsfield	Renal, Urology	82907
Dr Sophie Lane	Breast, Gynae	
Dr Ula Mahadeva	Gastrointestinal, Infectious/Tropical disease, Non-gynae Cytology	82934
Dr Anu Malhotra	Breast/Non-Gynae	83085
Dr Andreas Marnerides	Perinatal	82917
Dr Emma McLean	Respiratory, Non-gynae Cytology	82926
Dr Padma Menon	Gynaecology, Breast, Non-gynae Cytology	82935
Dr Mina Mansy	Haematopathology, Gynae	56066
Dr Yurina Miki	Haematopathology, Non-Gynae Cytology	56514
Dr Martina Munonyara	Gynae/Non-Gynae	56514
Dr Wen Ng	Urology, Breast	88468
Dr Daisuke Nonaka	Urology, Lung	82945
Dr Mark Ong	Haematopathology, Urology, Gastrointestinal	58255
Dr Ranmith Perera	Renal, General	82940
Prof. Sarah Pinder	Breast	89727/84260
Dr Alexander Polson	Gynaecology, Urology	89729
Dr Vivek Sehawat	Gastrointestinal, Infectious Diseases, Respiratory	

Consultants	Speciality	Extension
Dr Naomi Simmonds	Renal	87685
Dr Benita Stevenson	Gastrointestinal, Non-gynae Cytology	
Dr Mary Varia	Urology, Non-gynae Cytology	89371
Dr Holly White	Gynae, Non-gynae Cytology	
Dr Olga Wise	Breast, Gynaecology	89728

2.8 Section Leads

2.8.1 Service Delivery Manager

Monica Idika monica.idika@synnovis.co.uk Ext: 82955

2.8.2 Operations Managers

Cytology: Manel Perera manel.perera@synnovis.co.uk Ext: 82911

Histology: Arnalda Peixoto arnalda.peixoto@synnovis.co.uk Ext: 54659

Advanced Diagnostics: Lauren Butler lauren.butler@synnovis.co.uk Ext: 54635

Tissues Sciences Office: Parvinder Bahia parvinder.bahia@synnovis.co.uk Ext: 82953

2.8.3 Quality Manager

Karen Boniface karen.boniface@synnovis.co.uk Ext: 54607

2.8.4 Quality Officers:

Histology: *Post Vacant – please contact Operations Manager* Ext 82931

Cytology: Rana Ebadi-Askari rana.ebadi-askari@synnovis.co.uk Ext: 82904

2.8.5 Training Officers

Histology: Faheema Limabda faheema.limbada@synnovis.co.uk Ext: 82931

Cytology: James Valiente james.valiente@synnovis.co.uk ext: 82904

2.8.6 Health and Safety Officer

Histology: Juliet Kaggwa juliet.kaggwa@synnovis.co.uk Ext: 82931

Cytology: Lina Tasama lina.tasama@synnovis.co.uk Ext: 82904

2.9 Complaints

Complaints may be made directly to the department, via PALS or via Synnovis Customer Support. Complaints are handled according to the Synnovis Complaints Policy and Procedure located at <http://www.synnovis.co.uk/customer-service>.

2.10 Protection of patient information

All patient information is handled under the terms of the Data Protection Act 2018. All personal information received by Synnovis is dealt with according to the Synnovis Privacy, Data Protection & Cookie Policy which is available at <http://www.synnovis.co.uk/privacy-policy>.

3. HISTOPATHOLOGY INFORMATION

The majority of specimens for histological investigations must be placed in 10% neutral buffered formalin as soon as possible following removal to ensure that the tissue sample is preserved as much as possible to its life like state. The fixative acts as a preservative arresting the deleterious effects of putrefaction and autolysis. It also hardens and alters the tissue chemically in such a way that it is not harmed by the effects of processing and allows for histological tests to be performed.

3.1 Fixatives and specimen containers

The type of fixative and container required for a specimen is described in Table 1 below.

Specimen Type	Fixative	Container
Biopsies	10% neutral buffered formalin	Small plastic jar 60 ml
Cervical biopsies	10% neutral buffered formalin	Universal container 30 ml or Small plastic jar 60 ml
Routine Histology	10% neutral buffered formalin	Universal container 30 ml
		Small plastic jar 60 ml
		Large jar 350 ml
		Plastic buckets 1.8, 2.5, 5 and 10 litre.
Renal biopsies	10% formal saline	Small 10ml container
Amputations	No fixation	Unclosed 60 litre Griff Bins
Foetus	No fixation – send to Mortuary	
Placenta	10% neutral buffered formalin	2.5 litre plastic bucket
Bone marrow trephine	10% neutral buffered formalin	Small plastic jar 60 ml or Universal container 30 ml
Testicular biopsies	Bouin's fixative	Universal container 30 ml
Jejunal biopsies	Normal saline – sent to Guy's	(For viewing villi under dissecting microscope) Universal container
Gouty tophus specimens	Absolute alcohol	Small plastic jar

Table 1 - specimen types and fixation requirements

3.1.1 Formalin

Specimens are normally received in **10% neutral buffered formalin** unless specifically stated in Table 1.

Formalin is a clear fluid with a pungent toxic vapour. Samples collected in formalin should be kept at ambient room temperature (18-25°C) for optimal fixation of the tissue. Samples in formalin **should not** be stored in a fridge as this hinders fixation.

Formalin pots must be checked for leakage and expiry date; also, handle carefully using gloved hands. If pots are beyond their expiry date, return to

Histopathology for disposal. In the event of a formalin spillage, wipe it immediately with a De-Formalizer pad; wash the affected area with water and wash your hands.

3.1.2 Stock specimen containers

New stocks of filled formalin pots can be obtained from Cellular Pathology Specimen Reception. Guy's Hospital Pharmacy supplies Guy's Hospital theatres with formalin pots. The MLA in Specimen Reception delivers filled formalin pots to North Wing theatres on the 2nd Floor on a weekly basis (Friday) together with empty specimen containers. All containers carry a specimen label and hazard sign.

Specimen Reception Ext 82920
Pharmacy Ext 85030

3.1.3 Hazards

Formalin is a hazardous substance and care is to be taken when in use. Beware of spills and inhaling vapour, as formaldehyde is a toxic agent that may cause mild to severe irritation of skin and mucous membranes. Wear gloves when opening a specimen pot, tighten the lid when closing, and place the labelled specimen pot into a plastic pathology specimen bag. Wash off any spills with copious amounts of water.

3.2 Special fixatives

Samples for testicular biopsies in Bouin's fixative are occasionally received and transferred into 10% neutral buffered formalin during biopsy cut-up.

Bouin's is a yellow fluid.

3.2.1 Renal biopsies

Renal biopsies must be collected in **10% formal saline**, to avoid artefacts that can be visualised when fixed in 10% neutral buffered formalin. Biopsies must be collected in glutaraldehyde for Electron Microscopy.

3.3 Unfixed tissue

Some tissues samples are sent unfixed due to clinical requirement or for rapid diagnosis. These include frozen sections, enzyme histochemistry, suspected gout, and suspected lymphoma samples. All these sample types should be pre-booked with the laboratory (see Section 3.4).

These specimens must be transported immediately to the laboratory in a closed labelled container and handed to a member of laboratory staff. Any biohazard should be indicated on the card and specimen. Any indication of infection type would be advantageous.

3.3.1 Unfixed samples not for Histopathology

Placentas from babies that require a post-mortem examination should be sent unfixed to the Guy's and St Thomas's Mortuary - Ext: 83195

For chromosomal investigations send a sample to the Synnovis Analytics Cytogenetics laboratory - Ext 81715.

Muscle and Nerve biopsies – samples to be sent to Enzyme Histochemistry at KCH (020-3299-1957)

3.4 Specimens that should be pre-booked (24 hours' notice)

Type of specimen	How to be received	Who needs to be contacted
Rapid Frozen section	Unfixed (dry pot) URGENT	Inform the laboratory 24 hours prior Ext 89191 See Section 3.5
Rectal suction Biopsies (for Hirschsprung's)	Unfixed on saline moistened gauze	Inform the laboratory 24 hours prior Ext 89191 See Section 3.5
Muscle biopsies	Unfixed (dry pot) Specimens should be wrapped in saline soaked gauze	Not accepted by St Thomas's Histopathology Contact Enzyme Histochemistry (Jamie Hughes) at King's 020-3299-1957
Nerve biopsies	Unfixed (dry pot)	Not accepted by St Thomas's Histopathology Contact Enzyme Histochemistry (Jamie Hughes) at King's 020-3299-1957
Lymphoma / lymph nodes for lymphoma	Unfixed (dry pot)	Inform the laboratory Ext 89191/82920 (Tissue needs to be selected for Cytogenetics and snap freezing)

Table 2 - specimens requiring pre-booking

3.5 Frozen sections

All frozen sections **must** be pre-booked with the department **24 hours in advance** as a Consultant Pathologist and BMS have to be made available. This includes rectal suction biopsies (for Hirschsprung's).

To make a booking contact the Histopathology Office on ext: 89191 and give:

- Patient details,
- The estimated time of frozen section,
- Theatre details,
- Contact number
- Site (St Thomas' or Guys Hospital)

If there is a delay in operation contact the Histopathology laboratory and indicate the new time of the frozen section.

Specimens from St Thomas's must be delivered immediately to the histopathology laboratory, (2nd Floor North Wing St Thomas's Hospital). See section 3.4 for information on how the specimen should be transported/received in the laboratory. Staff from Histopathology also perform frozen sections at the Guy's Hospital site. Bookings are made via the Histopathology Office on Ext 89191.

Frozen sections at Guy's Hospital should allow for additional transport time. Specimens must be delivered to the Head and Neck/Oral Pathology laboratory at Guy's (4th Floor, Tower Wing) and must **NOT** be delivered to Guy's Central Pathology reception.

All skin and Mohs frozen sections should be booked directly with St. John's Dermatopathology Laboratory, Ext. 86327.

3.6 Renal Histopathology

Based at St. Thomas Hospital this unit provides a specialist service for the clinical renal diagnostic and transplant teams.

3.6.1 BMS assistance:

BMS assistance for Renal biopsy clinics is available for both St Thomas' and Guy's Hospitals (includes Evelina Children Hospital).

3.6.2 Sample preparation:

The Renal Laboratory supplies formal saline in 5ml containers and glutaraldehyde in 5ml containers to the clinical teams. If you require any of the fixative solutions contact the Renal Histology Laboratory (contact details below).

3.6.3 Renal Biopsy Booking in:

Prior booking is required as it enables staff to plan workload and to guarantee adequate assistance.

Contact details:

Renal Histology Laboratory
2nd Floor North Wing
St Thomas' Hospital
Renal BMS

Ext 82906/ 82931 **Bleep 2811**
(9am to 5pm Monday to Friday only)

Renal Pathologist: Dr Catherine Horsfield

Ext 82907

Renal BMS
9am to 5pm Monday to Friday only)

Ext 82906/ 82931 **Bleep 2811**

3.7 Cancer pathway requests

When requesting Histology on patients that are on a cancer pathway, select 'Urgent cancer pathway' if submitting an Epic request. If submitting a manual request form (e.g. in the event of Epic downtime), record 'urgent cancer pathway' on the form.

3.8 Requests and labelling

- All histology samples are to be sent with a request generated in Epic, and the specimen pot must have the corresponding Epic label attached.
- For specimens to be accepted by laboratory staff all details on the specimen pot must match those in Epic, including the nature of specimen.
- The sender will be contacted when histology samples are received without an appropriate request. Testing will be delayed until the request is corrected on Epic. This will be logged as an incident where testing is delayed and patient care has been compromised on to the Trust Adverse Incident reporting system (RADAR).

3.8.1 Synnovis Tissue Sciences Downtime paper request form

This should only be used for urgent cases when the Epic system is not available.

Failure to complete details on a request form or specimen pot will mean a delay in issue of a result, and result in laboratory staff contacting the sender and requesting them to attend at the laboratory and fill in or correct the missing details.

Use computer generated labels that accompany patient notes.

The following details must be given on the request form:

- Patient's full name (forename and family name)
- Date of Birth / age
- Hospital number
- Sender address codes: Consultant, destination, date and time taken
- Funding details: indicate if NHS, private, or contract funding
- Clinical details: sufficient relevant clinical details including treatment and length of episode. Note any specific histopathology tests required.
- Specimen details: specimen type. If more than one specimen from same patient, indicate the pot number and the specific specimen site.
- Contact name/ number: The requesting clinician must sign and give a contact Telephone / bleep number.

3.8.2 Specimen labels

Fill in the specimen pot details using **a ballpoint pen or permanent marker**, not a fibre-tip pen where the ink will run should a spill occur.

All details should be filled, and where more than one specimen is taken, pot numbers and specimen information should match the details on the request card. At least two forms of personal ID must match, full name, and date of birth (and/or hospital number) together with the nature of specimen. ***A discrepancy will result in a delay in processing and could impact on patient management.***

3.9 Referral Cases

Note – this refers to cases with slides and blocks that are to be sent to the department for second opinion and/or further testing.

These cases should be addressed to:

CELLULAR PATHOLOGY DEPARTMENT
2nd Floor, North Wing
St. Thomas' Hospital
Westminster Bridge Road
London
SE1 7EH

It is recommended that material is sent using special/recorded delivery or a courier service for tracking/audit purposes. It is also advisable to notify the office (synnovis.histology@nhs.net) that material is being sent to the department.

3.10 Histology Turnaround Times

Sample Type	Turnaround Times	Comment
Frozen sections	Up to one hour	Fresh tissue is usually prepared, sectioned and stained within 20 minutes. A report will be issued immediately. Clinical staff are encouraged to be present in the laboratory where possible.
Urgent specimens (cancer pathway)	Up to 7 days (biopsies), 10 days (excisions)	State urgent on the request form. When an urgent biopsy is received during early to mid-morning the specimen may be prepared and reported on the same day. <i>Discuss with the speciality consultant before sending.</i> Specimens arriving in the afternoon or of other size will require a longer processing time and will be prepared for reporting the following morning by 11am. Indicate clearly who is to be contacted for a phoned report. Where further complex testing is required, a provisional opinion will be given.
Non urgent biopsies and large excision specimens	Up to 10 working days	Depending on size and degree of fixation, and if further testing is required, a result is normally issued within ten working days
Referral cases	Up to 15 working days	This is dependent on the level of testing required, but a result is normally issued within 15 working days

3.11 Retention of formalin fixed specimens

Formalin fixed specimens are only retained in the laboratory for four weeks following verification of the report, unless otherwise requested by the clinician at the time of the original request for Histopathology, or by the reporting Consultant Pathologist. In both cases, a reason must be specified for retention of the tissue beyond the four weeks post-authorisation of report.

3.12 Notes

Results are available on Epic.

The department is closed at the weekend and consequently results on specimens received on Friday will only be available by Monday or Tuesday at the earliest. Specimens from bone will require decalcification prior to processing and this will extend the report time, usually by two to four days. Specimens from complex tumours may require immunocytochemistry or molecular studies, usually requiring a further 3-4 days.

3.13 Specimen deliveries to the laboratory

A written log of all Histology specimens (specimen tracking log) has been distributed throughout the GSTFT site by the portering service. This notes all relevant details, particularly date and time of collection. Log records are retained for one year.

3.13.1 St. Thomas'

Specimens are to be received in the Histopathology laboratory no later than 4.45pm.

Clearly mark all urgent specimens and any known biohazard such as HIV positive specimens.

Portering staff will collect specimens from designated sites and deliver directly to Cellular Pathology or to the Pathology Central Specimen Reception (CSR). Specimens received in CSR are sorted and delivered to Cellular Pathology immediately. Specimens may be delivered directly to the department.

Routine **out of hours** (17.00-09.00) specimens should be delivered to CSR, or left in formalin at a collection point for the next morning collection.

3.13.2 Guy's Hospital

Specimens from Guy's Hospital are delivered to Blood Sciences Reception, 4th Floor, Southwark Wing. Specimens are then delivered to St. Thomas' CSR and forwarded on to Cellular Pathology. Urgent specimens should be marked accordingly.

Send Ear/Nose/Throat specimens directly to Head and Neck/Oral Pathology at Guy's Hospital (see Section 4.2.1 for contact details).

4. OTHER SPECIALIST SERVICES

4.1 Dermatopathology

The St. John's Dermatopathology Laboratory provides a specialist histopathology service for skin specimens, therefore Dermatology specimens should be sent directly to St John's Dermatopathology. Samples may be received in the main Histopathology laboratory but will be redirected to St. Johns Dermatopathology.

Other specific dermatology specimens will also be redirected as appropriate.

4.1.1 Contact:

St John's Dermatopathology
2nd Floor, Block C, South Wing
St. Thomas' Hospital
Dermatopathology Main Laboratory Ext 86327
Dermatopathology Laboratory Manager Ext 88160

4.2 Head & Neck/Oral Pathology

This laboratory provides services with a special interest in pathologies of the head and neck. For further information contact:

4.2.1 Contact:

Head and Neck/Oral Pathology
4th Floor, Tower Wing
Guy's Hospital
Laboratory: Ext 81756

4.3 Muscle and Nerve Histochemistry

Provides a service for surgical muscle (myopathies) and nerve biopsies. BMS assistance is available on request at muscle biopsies. **Note: these specimens are not received by St Thomas's Histopathology laboratory**

4.3.1 Bookings / Information/ Contact

Clinical Neuropathology
1st Floor ANC building
King's College Hospital
Denmark Hill, SE5 9RS
Muscle biopsies: Janet Okafor (Institute of Psychiatry) 0203 2991957

4.4 Soft Tissue Tumours

Provides a specialist service for soft tissue tumours.
For further information contact

Dr. Eduardo Calonje Ext 86408

Specialist work may occasionally be referred to an outside laboratory. A list of these laboratories is available on request.

5. NON GYNAECOLOGICAL CYTOLOGY

The staff in the laboratory are available to advise on any aspect of sample collection.

5.1 Serous Fluids, CSF and all other drained fluids

Synonyms: Serous fluids (Pleural, Pericardial, Ascitic and Peritoneal fluids); Urine, Bronchial Washings, Bronchial alveolar lavage, Sputum and Cyst aspirates.

Turnaround Time: **Routine** -The turnaround time for non-gynae reporting is between 7 to 10 working days but this will vary depending on the specimen type and if additional clinical information or ancillary tests are required e.g. immunocytochemistry, flow cytometry, FISH or molecular studies.

FNA specimens received in the laboratory will be reported within 5 working days.

Urgent - Specimens marked as 'urgent' will be reported within 24 hours after receipt by the laboratory. However, this may only be a provisional report pending further ancillary tests. **It is recommended that the requesting clinician discusses such specimens in advance with the cytopathologist. Please ensure that appropriate contact details are documented on the request in Epic (internal senders i.e. within Guy's & St Thomas' Hospital), or the request form (external i.e. G.P.) requests.**

Patient Preparation/Consent:

Consent must be gained before any procedure can commence. This is the responsibility of the patient's clinician/consultant to complete.

The patient will also need to consent to their medical/clinical history being disclosed for their onward care.

Specimen collection:

All fresh samples must be sent to the laboratory as soon as possible. (2nd floor, North Wing, STH). If there is a delay between collection and transport, the sample should be kept in the fridge at 4°C as cells will deteriorate rapidly at room temperature. Specimen containers may be ordered via GP Supplies, CSR department (ext 81174).

Note :

General practitioners request for urine and sputum like specimen must be accompanied by the completed paper request form.

Paper reports are only printed and sent out daily, addressed to the General practitioners who requested the test.

5.1.1 Bronchial Washings and Bronchoalveolar lavage:

Bronchial washings and bronchial alveolar lavage samples should be collected in Preservcyt;

If any additional tests such as fat laden macrophages or differential cell count are required, about 2.5mL of the sample should also be sent.

Sample Requirement:

Volume:

For most cytological assessments, a full universal container is adequate. There is no need to send large volumes of the sample to the laboratory.

Bronchial samples in Preservcyt solution should not exceed the mark on the side of the vial.

Specimen Container:

All neat fluids should be placed in a standard universal container and sent unfixed to the lab. If large amounts of fluid are present then mix the whole specimen and submit a suitable quantity of a representative sample in a sterile universal container to the lab. Exudates often tend to clot and cells are trapped within this. If a clot is noticed in a fluid, this must also be sent along with the fluid.



(a) Preservcyt (b) Sterile Universal
Container

Internal Requests (i.e. GSTT):

A request must be made in Epic for every sample that is being sent to the laboratory, accurately with all patient sender and clinical details. The specimen type e.g. 'Pericardial Fluid' must also be recorded. (if Epic is unavailable the Synnovis Histopathology/Cytology downtime paper request may be used). When requesting via Epic, ensure that the Epic label is attached to the specimen container.

External Requests (i.e. GP Practices):

All samples must be accompanied by a request form that is completed legibly and accurately with all patient, sender and clinical details. The specimen type e.g. 'Pericardial Fluid' must also be recorded. Synnovis forms should be used.

Specimen Acceptance:

Each specimen pot and request must have at least 3 of the following Identifiers and there should be no discrepancy between the form and specimen pot.

- Full name of patient
- Hospital No
- Date of birth
- Type of sample
- Date & time of collection

Specimen Handling:

The labelled sample container must be placed in a plastic 'biohazard' bag. If there is a request form, then the request form must be placed in a plastic 'biohazard' bag ensuring that the form and sample are in separate sections of the bag. This will prevent contamination of the request form if the sample container leaks.

Store at 2-5°C until the sample is prepared.

Interferences:

- Failure to refrigerate sample may result in poorly preserved specimen.
- Cells that are contained in heavily blood-stained fluids may degenerate very quickly.
- Incorrectly completed requests, incorrectly labelled samples (or incomplete request forms, when used) will delay the processing of the sample and impact on patient management, however the department endeavours to process all samples if possible.

Specimen Transport:

Specimens should be transported as soon as possible after collection to:

Synnovis Central Specimen Reception
4th Floor Southwark Wing
Guy's Hospital
02071887188 ext. 81169

Or

Synnovis Central Specimen Reception
5th Floor, North Wing
St. Thomas' Hospital
02071887188 ext. 81167

Or

Synnovis Central Specimen Reception
Ground Floor, Bessemer Wing,
Kings College Hospital
(KCH specimens only)

Results:

Non-gynae results are available on Epic and in the time frames as stated above

Where required for external users, PDF reports are created and sent out daily via secure email, addressed to the consultant or clinical team who requested the test.

To discuss a cytology report with a consultant cytopathologist, contact the department between 9.00 and 5.00 pm on 020718 82915 / 89189

Laboratory Locations:

Cytopathology Department
2nd Floor, North Wing
St. Thomas' Hospital

Tel: 02071887188 ext 82904

Cytopathology Department
2nd Floor, Bessemer Wing
Kings College Hospital

Tel: 02032999000 ext 34035

5.2 Brushings

Synonyms: Bronchial brushings, Biliary Brushings and any material obtained by brushing.

Turnaround Time: **Routine** -The turnaround time for non-gynae reporting is between 7 to 10 working days but this will vary depending on the specimen type and if additional clinical information or ancillary tests are required e.g. immunocytochemistry, flow cytometry, FISH or molecular studies.

FNA specimens received in the laboratory will be reported within 5 working days.

Urgent - Specimens marked as 'urgent' will be reported within 24 hours after receipt by the laboratory. However, this may only be a provisional report pending further ancillary tests. **It is recommended that the requesting clinician discusses such specimens in advance with the cytopathologist. Ensure that appropriate contact details are documented in the request on Epic, or where required on the request form.**

Patient Preparation/Consent:

Consent must be gained before any procedure can commence. This is the responsibility of the patient's clinician/consultant to complete.

The patient will also need to consent to their medical/clinical history being disclosed for their onward care.

Specimen collection:

5.2.1 Bronchial Brushing:

Bronchial brushing in PreservCyt: Rinse the brush in Preservcyt and send the sample to the laboratory.

Fixed slides: It is not necessary to send fixed slides if you have all the material collected in the Preservcyt solution.

If sending a fixed slide: Material is spread along the length of the slide and immediately wet fixed using an alcohol spray fixative to prevent air drying.

The brush and fixed slides (in a plastic slide mailer) should be sent to the laboratory. Specimen containers (and request forms) may be ordered via GP Supplies, CSR department (ext 81174).

5.2.1 Biliary brushing and any other materials obtained by brushing:

Brushings in cytolyt: Rinse the brush in cytolyt and send the sample to the laboratory.

Fixed slides: It is not necessary to send fixed slides if you have all the material collected in the cytolyt solution.

If sending a fixed slide: Material is spread along the length of the slide and immediately wet fixed using an alcohol spray fixative to prevent air drying.

The brushings (in cytolyt) and fixed slides (in a plastic slide mailer) should be sent to the laboratory. **Sample Requirement:**

Specimen

The Slide must be placed in a plastic slide mailer

Bronchial brushings should be rinsed in a Preservcyt pot

Biliary brushings and any other material obtained by brushing should be rinsed in a sterile universal pot containing cytolyt contained in a sterile universal container



(a) Preservcyt (b) Sterile Universal Container (c) Microscope glass slide

Request Form:

A request must be made in Epic for every sample that is being sent to the laboratory, completed accurately with all patient, sender and clinical details. The specimen type e.g. 'Bronchial Brushing' must also be recorded.

Histology/Cytology Epic downtime request forms must be used if Epic is unavailable. When requesting via downtime forms, ensure that the Epic label is attached to the specimen container.

Specimen Acceptance:

Each specimen pot, slide and request form must have at least 3 of the following Identifiers and there should be no discrepancy between the form and specimen pot/slides.

- Full name of patient
- Hospital No
- Date of birth
- Type of sample
- Date & time of collection

Specimen Handling:

The sample and slide (in a mailer) must be placed in a plastic 'biohazard' bag to contain any leaking sample and prevent contamination of the sample in transit to the laboratory.

Laboratory handling: Store at 2-5°C until the sample is prepared.

Interferences:

- Failure to refrigerate sample may result in poorly preserved specimen.
- Cells that are contained in heavily blood-stained fluids may degenerate very quickly.
- Incorrectly labelled samples or incomplete requests in Epic will delay the processing of the sample and impact on patient management, however the department endeavours to process all samples if possible.

Specimen Transport

Specimens should be transported as soon as possible after collection to:

Synnovis Central Specimen Reception
4th Floor Southwark Wing
Guy's Hospital
02071887188 ext. 81169

Or

Synnovis Central Specimen Reception
5th Floor, North Wing
St. Thomas' Hospital
02071887188 ext. 81167

Or

Synnovis Central Specimen Reception
Ground Floor, Bessemer Wing,
Kings College Hospital
(KCH specimens only)

Results

Non-gynae results are available on the Epic and in the time frames as stated above

To discuss a cytology report with a consultant cytopathologist, contact the department between 9.00 and 5.00 pm on 020718 82915 / 89189

Laboratory Locations

Cytopathology Department
2nd Floor, North Wing
St. Thomas' Hospital

Tel: 02071887188 ext 82904

Cytopathology Department
2nd Floor, Bessemer Wing
Kings College Hospital

Tel: 02032999000 ext 34035

5.3 Fine Needle Aspiration

Synonyms: FNA /any material obtained by aspiration

Turnaround Time: **Routine**-The turnaround time for non-gynae reporting is between 7 to 10 working days but this will vary depending on the specimen type and if additional clinical information or ancillary tests are required e.g. immunocytochemistry, flow cytometry, FISH or molecular studies.

FNA specimens received in the laboratory will be reported within 5 working days.

Urgent- Specimens marked as 'urgent' will be reported within 24 hours after receipt by the laboratory. However, this may only be a provisional report pending further ancillary tests. **It is recommended that the requesting clinician discusses such specimens in advance with the cytopathologist. Ensure that appropriate contact details are documented in Epic.**

Patient Preparation/Consent:

Consent must be gained before any procedure can commence. This is the responsibility of the patient's clinician/consultant to complete.

The patient will also need to consent to their medical/clinical history being disclosed for their onward care.

Specimen collection:

Material is spread along the length of one slide using another slide. A second slide is prepared in a similar manner to the first. One of the slides is immediately wet fixed using an alcohol spray fixative to prevent air drying, while the other is rapidly air dried. The used needle is then rinsed (washings) in a pot containing saline preferably balanced salt solution. The Washings and slides (in a plastic slide mailer) should be sent to the laboratory. The test must be requested in Epic.

Sample Requirement:

Specimen

The Slide must be placed in a plastic slide mailer while the washings must be collected in sample sterile universal pot containing saline or balanced salt solution.



(a) Sterile Universal Container

(b) Microscope glass slide

Request Form:

A request must be made in Epic for every sample that is being sent to the laboratory, which is completed accurately with all patient, sender and clinical details. The specimen type e.g. 'FNA' must also be recorded. (if Epic is unavailable, the Synnovis Histopathology/Cytology Epic Downtime paper request forms may be used). When requesting via Epic, ensure that the Epic label is attached to the specimen container.

Specimen Acceptance

Each specimen pot, slide and Epic request must have at least 3 of the following Identifiers and there should be no discrepancy between the form and specimen pot.

- Full name of patient
- Hospital No
- Date of birth
- Type of sample
- Date & time of collection

Specimen Handling

The Washings, slides (in a mailer) and the request form must be placed in a plastic 'biohazard' bag ensuring that the form and sample are in separate sections of the bag. This will prevent contamination of the request form if the sample container leaks.

Store at 2-5°C until the sample is prepared.

Interferences

- Failure to refrigerate sample may result in poorly preserved specimen.
- Failure to rapidly fix slides may result in poor cellular presentation and difficulty in interpretation.
- Cells that are contained in heavily blood-stained fluids may degenerate very quickly.
- Incorrectly labelled samples or incomplete requests in Epic will delay the processing of the sample and impact on patient management, however the department endeavours to process all samples if possible.

Specimen Transport

Specimens should be transported as soon as possible after collection to:

Synnovis Central Specimen Reception
4th Floor Southwark Wing
Guy's Hospital
02071887188 ext. 81169

Or

Synnovis Central Specimen Reception
5th Floor, North Wing
St. Thomas' Hospital
02071887188 ext. 81167

Or

Synnovis Central Specimen Reception
Ground Floor, Bessemer Wing,
Kings College Hospital
(KCH specimens only)

Results

Non-gynae results are available in Epic and in the time frames as stated above

To discuss a cytology report with a consultant cytopathologist, contact the department between 9.00 and 5.00 pm on 020718 82915 / 89189

Laboratory Locations

Cytopathology Department
2nd Floor, North Wing
St. Thomas' Hospital

Tel: 02071887188 ext 82904

Cytopathology Department
2nd Floor, Bessemer Wing
Kings College Hospital

Tel: 02032999000 ext 34035

5.3.1 EUS FNA – Fine Needle Biopsies

All Fine Needle Biopsies of anything other than lymph node; suspected lymphoma or infection must go directly into formalin – NOT saline. All Fine Needle Biopsies not going directly into formalin must be sent to the laboratory immediately to avoid deterioration.

5.4 Fine Needle Aspiration (FNA) clinics

Fine needle aspiration is a reliable method of determining the nature of lumps and bumps. This involves aspirating a lump using a fine needle and then testing the material removed.

In addition to the Palpable FNA Clinics run by Consultant Cytopathologists, there are also One Stop clinics where a diagnosis/provisional diagnosis is determined while the patient is in clinic. This allows material to be collected in one setting for ancillary testing (microbiology, cell blocks, flow cytometry, cytogenetics and molecular diagnostics). A joint one stop clinic (Ultrasound guided FNA) is also run between pathology and dental radiology for head & neck cancer and thyroid patients.

Guy's and St Thomas's FNA clinics: There are several FNA clinics per week that are attended by Cytology laboratory staff; these are listed in:

CPC-USER-2 List of Guy's and St Thomas's FNA Clinics supported by Cytology

In addition to the clinics listed in CPC-USER-2, the following support is also available from the Cytology laboratory at Guy's and St Thomas's:

- **Ward based FNA service:** This is a routine service provided by the cytopathologists with a BMS assistance during working hours (9-5 pm). Please ring FNA appointments (ext 82941) to arrange this.
- **Intra-operative FNA service:** This is a routine service provided by the cytopathologists with BMS assistance during working hours (9-5 pm). Please ring FNA appointments (ext 82941) to arrange this.
- **On-site assessment for image guided FNA:** USG guided FNA is provided by radiology and clinical departments across both hospital sites. These are routinely supported by biomedical scientists (BMS) who assess specimen adequacy during the procedure.
- If a cytopathologist is required for a case, please ring FNA appointments (ext 82941) to arrange this.

King's College Hospital

BMS support is also provided for the following FNA clinics at KCH:

Day	Clinic	Time
Thursday	Ultrasound (radiology), 2 nd Floor, Denmark Wing, King's College Hospital.	9am-11am
Tuesday	Dental Institute, Ground Floor, King's College Hospital	9.30am-1pm

- The Tuesday Dental clinic is attended by the cytopathologists with BMS assistance.

5.5 Quick guidelines for sample requirements

Sample Type	Sample collection	Container
BAL (not for PCP), Bronchial Washings, sputum and induced sputum	In PreservCyt solution	PreservCyt Vial
BAL, Bronchial Washings, respiratory samples (for Fat Laden Macrophages or Interstitial Lung Disease, or Differential Cell Count requests)	<ul style="list-style-type: none"> About 2.5mL, Neat sample Remaining sample in PreservCyt solution 	<ul style="list-style-type: none"> 30mL sterile universal container PreservCyt Vial
Bronchial Brushings	Brushings in PreservCyt solution	PreservCyt Vial
Biliary Brushings	Brushings in CytoLyt solution	40mL sterile universal container containing CytoLyt
Other materials obtained by brushing	Brushings in CytoLyt solution	40mL sterile universal container containing CytoLyt
CSF Vitreous fluid	Fresh neat sample	40mL sterile universal container
Cyst aspirates	Fresh neat sample	40mL sterile universal container
FNA	<ul style="list-style-type: none"> Air dried and wet Fixed material on slides Needle washings in normal saline/balanced salt solution Needle washings in formalin (only for some EUS samples) 	<ul style="list-style-type: none"> Plastic slide mailer 30mL sterile universal container containing normal saline/balanced salt solution Yellow topped formalin pots
Urine (Routine)	<ul style="list-style-type: none"> Unfixed Fixed 	<ul style="list-style-type: none"> 30mL sterile universal container UroCyt Vial
Urine (casts, dysmorphic cells)	Fresh neat sample- sent to the lab immediately	30mL sterile universal container

Urine with clinical history haematuria	Fresh Neat sample	30mL sterile universal container
Urine for dysmorphic red blood cells and history of haematuria	Fresh Neat sample	30mL sterile universal container
Synovial fluid	Fresh Neat sample	30mL sterile universal container
Peritoneal Washing/ Peritoneal Dialysis	Fresh Neat sample	30mL sterile universal container

6. ANDROLOGY

Synonyms: Semen Infertility, Semen Post vasectomy, semen analysis

Clinical Indication: Semen analysis is carried out for sub-fertility investigation, retrograde ejaculation and for post vasectomy checks.

Turnaround Time: Semen analysis reports should be issued within 10 working days

6.1 Instructions to GP

6.1.1 Semen analysis (SEMA) kit orders:

- For more kits please continue using the online ordering portal
- Details may be found from customerservices@synnovis.co.uk or telephone 0204 513 7300
- Each SEMA kit consists of a request form and a toxicity-tested sample container.
- Please note that the sample **must** be produced into the container from the SEMA kit as they have been toxicity tested. Therefore, samples produced in any other container **will be rejected** (as results would be **invalid**).

6.1.2 Requests and appointments:

- Please email the completed request form to synnovis.semenanalysis@nhs.net
- Thereafter hand the completed form and the sample container to the patient.
- **IMPORTANT:** Semen analysis is by **appointment only and the patient will need to telephone the laboratory for an appointment 48 hours after the form has been emailed.**

Patient test results

The semen analysis results are sent via email to the requesting clinician/GP practice. If the clinician has not received the results, email: synnovis.semenanalysis@nhs.net

6.2 Patient Preparation

Note: Information for patients is also given on CPC-FORM-75 Semen Analysis Request Form. This is provided to all patients by the referring GP/clinician

6.2.1 Producing a semen sample:

Entire sample must be collected by masturbation into the sample pot (toxicity tested) provided.

1. The patient should not have intercourse or masturbate for 2-7 days before producing the sample - this helps obtain more accurate results.
2. The hands and genitalia should be clean and clear of any substance such as soap lubricant or normal condoms (see 6.1.3 for exceptional circumstances). The sample must be produced by masturbation (stimulation by hand) and the entire specimen collected in the specimen container provided.

The sample container must be from the SEMA kit that has been sent to clinician from Synnovis. This has a silver metallic lid with the weight and batch number recorded on a Synnovis label. Any other container will be rejected.

3. If the patient has opted to produce the sample at home, the specimen should be **handed to the Semen Analysis Clinic staff in person** (Sample delivery location 'A' map-section 6.4) **at the appointment time and within 50 minutes of producing**. The container should be kept warm (close to body temp, e.g. in trouser pocket or in an inside jacket pocket). The following should be recorded on the container:
 - a. Patient name
 - b. Date of birth
 - c. Date & Time of production.

If the patient is unable to deliver his sample within 50 minutes from the time of production, the lab/office staff booking the appointment should be informed. **The option for the patient to produce his sample on-site** in a private room is available (Gassiot house building site 'B' Location in map- section 6.4), but this **must be requested & booked at the time of arranging the appointment.**

4. Patient will be expected to arrive at the clinic on the appointed time. All samples will be checked before acceptance at the lab and therefore an appointment is necessary. **The patient must have an appointment for the day they arrive at the laboratory.**
5. Results should be available within 10 working days of receipt of the sample.
 - a. For external requests (GP): Results are sent by email to the requesting clinician/GP practice.

- b. For Internal requests (e.g. Urology dept): results are accessible through the Trust's electronic patient information system 'Epic'.

Patients must liaise with the referring clinician directly for test results or clinical advice.

See map in section 6.4 below for sample delivery locations: **please do not leave sample at CSR. It must be given to the cytology department in person.**

****Please be aware that this pathway is not the same for microbiological investigation which is separate****

6.1.3 Exception- using non-toxic condom:

Synnovis laboratory **does not currently provide** these items and so should be requested/sourced through the requesting clinician.

In rare cases due to objections to the WHO recommended production method (e.g. cultural, religious or other grounds), special condoms for fertility investigations may be an alternative under exceptional circumstances, **but** the entire ejaculate will not be available for examination, and the specimen is likely to be contaminated by contact with the skin of the penis and to some extent also vaginal fluid and cells on the outside of the condom.

The lab should be informed that this method of collection has been requested and as the sample will be marked as incomplete, results should be interpreted accordingly.

6.2.2 Producing urine sample for retrograde ejaculation investigation

Two specimen containers (one for urine sample and the other for semen sample) are required when producing samples for a retrograde assessment. The patient should:

Step 1: produce an ejaculate (semen) by masturbation into the first specimen container.

Step 2: urinate after into a second specimen container.

6.2.3 Notes to Patients for Post Vasectomy Semen Analysis

1. The test must take place after:

- a minimum of 12 weeks after surgery, **and**
- a minimum of 20 ejaculations.

The test results may not be reliable if samples are produced earlier.

2. The referring doctor will provide the patient with clinical advice or special clearance.
3. The sample must be produced according to the above guidelines.
4. Results will be sent by email to the requesting clinician

See map in section 6.4 below for sample delivery locations

6.3 Patient Test Results

The laboratory always aims to complete every report and have results issued within the stated turnaround time.

Please note: patients should not be advised to ring the laboratory for their results as the laboratory cannot issue results directly to the patients.

The laboratory is a biomedical science department and does not issue clinical advice to patients or service users. Such advice can only come from a clinician such as the GP or suitably qualified urologist.

The laboratory will issue semen analysis results directly to the requesting GP or hospital.

If the GP/hospital have not received the results by the stated turnaround time, please email synnovis.semenanalysis@nhs.net.

6.4 Consideration of Measurement Uncertainty for Andrology results

Laboratory tests carried out in any laboratory can be affected by a variety of factors that may invariably have an influence on the results obtained. All semen analysis results are prone to errors due to variations in measurements. There are various sources of variation in semen analysis. The heterogeneous nature of a semen sample coupled with its dependency on environmental factors make the accurate assessment of semen samples difficult and subjective. Other factors such as temperature, variability in operator, performance of reagents, toxicity of the sample container and other consumables, contribute to some level of uncertainty.

Semen analysis has a qualitative and a quantitative aspect to it with the possibility of every measurement being associated with an error. A quantitative statement of the error is necessary to provide a level of confidence that the results produced by the laboratory are credible and do not lack worth.

The BS EN ISO 15189:2022 standard states that: *The laboratory shall determine measurement uncertainty for each measurement procedure in the examination phase used to report measured quantity values on patients' samples. The laboratory shall define the performance requirements for the measurement uncertainty of each measurement procedure and regularly review estimates of measurement uncertainty.*

As the results from semen analysis can be influenced by a variety of factors with no certainty that the same result will be achieved the next time the test is repeated, it is paramount that the clinicians understand the laboratory results by considering the measurement uncertainty for each parameter measured. This will ensure that the clinician is able to more accurately interpret the results.

The laboratory calculates the uncertainty of each parameter yearly using results obtained from External Quality Assessments (Motility, Morphology and Concentration) with the aim to evaluate error or deviation in a measured value from the target value.

The measurement uncertainty is crucial in understanding and interpreting the results and provides the clinician with the range within which the true value is expected to lie.

The measurement uncertainty calculated for each parameter (*valid January 2024-Dec 2024*)

Fast progressive **$\pm 4.9\%$**

Slow progressive **$\pm 3.56\%$**

Concentration **± 4.67 million/mL**

% Normal Morphology **± 0.78**

6.5 Sample production and delivery locations

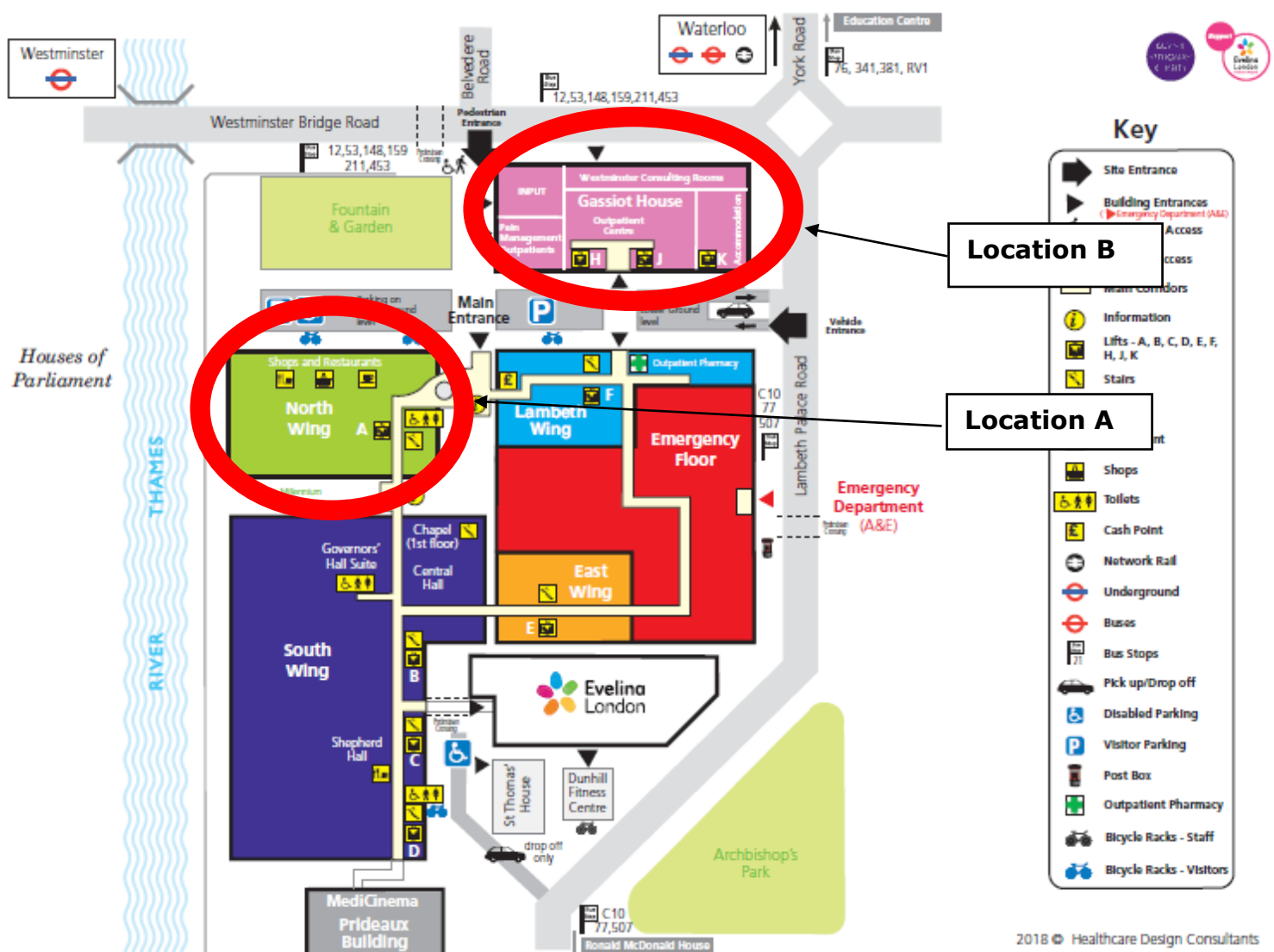
A **Location for sample delivery:**

Semen Analysis Clinic
Cellular Pathology Department
2nd Floor, North Wing
St Thomas' Hospital
Westminster Bridge Road
London
SE1 7EH

B **Location for on-site production:**

Gassiot House
Outpatients Centre
Ground Floor, Pink Zone
St Thomas' Hospital
Westminster Bridge Road
London
SE1 7EH

6.6 St. Thomas's Hospital site map



Request Form:

All samples should be accompanied by a request form that is completed legibly and accurately with all patient, sender and clinical details. The nature of investigation e.g. Semen Infertility or Semen Post Vasectomy must also be recorded.

Updated Semen analysis request forms are contained in the kits provided. Please use the latest revision form from the SEMA kits sent. All fields must be completed on the request form.

Specimen Acceptance:

Each specimen pot and request form must have at least 3 of the following Identifiers and there should be no discrepancy between the form and specimen pot.

- Full name of patient
- Date of birth
- Hospital No (if applicable)
- Date & time of collection
- Type of sample
- **Specimens left in the reception without an appointment, will be rejected and a communication will be sent to the requesting clinician.**
- Sample must not be less than 0.5ml. Samples less than 0.5ml will be rejected
- Sample must be in a toxicity-tested Synnovis labelled 60 ml container (metal lid) on which the weight (lab weighed) and batch number is recorded.

Specimen Handling:

Ensure that the sample is kept warm by keeping close to the body (e.g. in pocket) at all times during patients journey to the laboratory.

The sample and the request form should be placed in the small clear plastic sample bag (part of the SEMA kit) provided ensuring that the form and sample are in separate sections of the bag (there is a separate pocket for form in bag). This will prevent contamination of the request form if the sample container leaks.

Interferences:

- Failure to produce sample in toxicity tested sample pot can affect the motility of the sample and the reliability/validity of the results.
- The motility of samples that are over an hour old at the time of arrival at the laboratory, can be affected.

Specimen Transport

- Specimens must be brought into the laboratory by the patient on their appointment day and time.
- Patients will be seen on a one to one basis with one of our collection staff during which time the sample can be accepted for analysis.
- Specimens must not be left in any specimen reception.

Results:

Patients must liaise directly with the referring clinician for test results or clinical advice. The results will be sent directly to the requesting clinician.

Paper reports are printed and sent out daily, addressed to the consultant or clinical team who requested the test.

On-site production of Semen sample:

Gassiot House,
Outpatient Centre
Ground Floor
Pink Zone
St. Thomas' Hospital

Sample Delivery Location:

Cytopathology Department
2nd Floor, North Wing
St. Thomas' Hospital

Tel: 02071887188 ext 82904

REFERENCES

1. WHO laboratory manual for the examination and processing of human semen, sixth edition. Geneva: World Health Organization; 2021. Licence: CC BY-NC-SA 3.0 IGO.
2. European Committee for Standardization. Medical Laboratories – Requirements for quality & competence (ISO 15189:2022)