



SRI NATHELLA SAMPATHU CHETTY CLINICAL LABORATORY,  
SANKARA NETHRALAYA  
(UNIT OF MEDICAL RESEARCH FOUNDATION)

2024

DIRECTORY OF SERVICES

# DEPARTMENT OF HISTOPATHOLOGY & CYTOPATHOLOGY



Dr. Jyotirmay Biswas MD  
Director, Ocular Histopathology

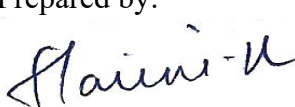
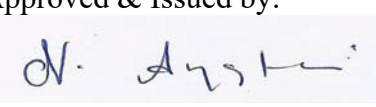


Dr. S. Krihnakumar MD  
Professor, Histopathology & Cytopathology  
CI. Hematology & CI. Pathology



## LOCATION OF DEPARTMENT OF HISTOPATHOLOGY & CYTOPATHOLOGY

SN Main Campus, KNBIRVO Building 3<sup>rd</sup> Floor

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 1 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	



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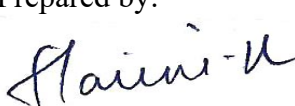
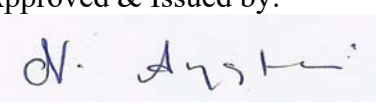
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**TEST MASTER LIST**

**DEPARTMENT OF HISTOPATHOLOGY**

Histopathology Tests (Specimens) under Scope of NABL

S.No	TABLE OF CONTENTS	Page No.
1.	<b>Test Master List / Turn Around Time</b>	3 - 8
2.	<b>Instructions for sending specimens to Histopathology</b>	7 - 9
3.	<b>Acceptance and Rejection Criteria</b>	10 - 10

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 2 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	



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SANKARA NETHRALAYA  
(UNIT OF MEDICAL RESEARCH FOUNDATION)

2024


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**DEPARTMENT OF HISTOPATHOLOGY**

**Histopathology Tests (Specimens) under Scope of NABL**

Code No	Specimen	Turn around time	Fixative Used/Acceptance Criteria
501	Eyeball	4 working Days	10%Neutral buffered formalin
502	Exenterated specimen	4 working Days	10%Neutral buffered formalin
503	Eviscerated specimen	4 working Days	10%Neutral buffered formalin
504	Corneal button	4 working Days	10%Neutral buffered formalin
505	Epiretinal membrane	4 working Days	10% Neutral buffered formalin
506	Sub retinal membrane	4 working Days	10%Neutral buffered formalin
507	Biopsy-lid	4 working Days	10% Neutral buffered formalin
508	Biopsy -Conjunctiva	4 working Days	10% Neutral buffered formalin
509	Biopsy -Cornea	4 working Days	10%Neutral buffered formalin
510	Biopsy- Orbit	4 working Days	10%Neutral buffered formalin
511	Iris tissue	4 working Days	10%Neutral buffered formalin
524	Amyloid stain	24 Hours	Paraffin block/Paraffin sections
525	Mucin stain	24 Hours	Paraffin block/ Paraffin sections
526	Collagen stain	24 Hours	Paraffin block/ Paraffin sections
528	GMS stain	24 Hours	Paraffin block/ Paraffin sections
529	Gram stain	24 Hours	Paraffin block /Paraffin sections
530	Calcium stain	24 Hours	Paraffin block/ Paraffin sections
531	AFB stain	24 Hours	Paraffin block/ Paraffin sections
533	Perl's stain	24 Hours	Paraffin block/ Paraffin sections
537	Small sized specimen (3mm-5mm)	4 working Days	10%Neutral buffered formalin

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 3 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	





**SRI NATHELLA SAMPATHU CHETTY CLINICAL LABORATORY,  
SANKARA NETHRALAYA  
(UNIT OF MEDICAL RESEARCH FOUNDATION)**

**2024**

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538	Medium Sized specimens (10mm)	4 working Days	10%Neutral buffered formalin
539	Large sized specimens (>20mm)	4 working Days	10%Neutral buffered formalin
576	Slide for second opinion	24 – 48 Hours	-
578	Package Test – Irrespective of Size Frozen and Permanent sections for diagnosis -Lid, Conjunctiva, Orbit + Oil O Red stain	30 minutes for frozen section 4working Days for Permanent sections	Fresh unfixed tissue
579	Package Test – Irrespective of Size Frozen and Permanent sections for Margin Clearance - Lid, Conjunctiva, Orbit + Oil O Red stain	1 hour for frozen section 4 working Days for Permanent sections	Fresh unfixed tissue

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 4 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	



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SANKARA NETHRALAYA  
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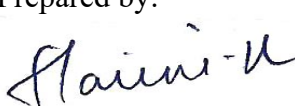
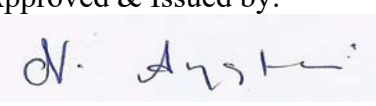
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**DEPARTMENT OF CYTOPATHOLOGY**

**Cytopathology Tests (Specimens) Under Scope of NABL**

Code No	Specimen	Turn around time	Fixative Used/Acceptance Criteria
512	Aqueous aspirate	3 working Days	Unfixed sample sent in cool pack /smears
513	Vitreous aspirate	3 working Days	Unfixed sample sent in cool pack /smears
514	Sub retinal fluid	3 working Days	Unfixed sample sent in cool pack /smears
515	Smear cytology-lid	3 working Days	Unfixed sample sent in cool pack /smears
516	Smear cytology- Conjunctiva	3 working Days	Unfixed sample sent in cool pack /smears
517	Smear cytology-cornea	3 working Days	Unfixed sample sent in cool pack /smears
521	IOL Cytology	3 working Days	70% or 95% Alcohol
519	FNAC	3 working Days	Unfixed sample sent in cool pack /smears
524	Amyloid stain	24 Hours	Unfixed sample sent in cool pack /smears
525	Mucin stain	24 Hours	Unfixed sample sent in cool pack /smears
526	Collagen stain	24 Hours	Unfixed sample sent in cool pack /smears
528	GMS stain	24 Hours	Unfixed sample sent in cool pack /smears
529	Gram stain	24 Hours	Unfixed sample sent in cool pack /smears
530	Calcium stain	24 Hours	Unfixed sample sent in cool pack /smears
531	AFB stain	24 Hours	Unfixed sample sent in cool pack /smears
533	Perl's stain	24 Hours	Unfixed sample sent in cool pack /smears

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 5 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	





**TEST MASTER LIST**

**DEPARTMENT OF HISTOPATHOLOGY & CYTOPATHOLOGY**

**Tests (Specimens from External patients) not under scope of NABL**

Code No	Specimen	Turn around time	Fixative Used/Acceptance Criteria
520	Immunohistochemistry ( Markers-Ki67/ Adipophilin/Synaptophysin/BAP1)	4 working Days	10%Neutral buffered formalin
537	Small sized-Skin biopsies, Any other tissue measuring 3mm- 5mm	4 working Days	10%Neutral buffered formalin
538	Medium sized Skin biopsies, Any other tissue measuring 10mm	4 working Days	10%Neutral buffered formalin
539	Large sized Skin biopsies, Any other tissue measuring >20mm	4 working Days	10%Neutral buffered formalin
522	Aspirates - vitreous, aqueous, CSF, Pleural fluid, Bronchial alveolar lavage and any other body fluids	3 working Days	Unfixed sample sent in cool pack /smears
524-536	All special stains (Amyloid stain, Mucin stain, Collagen stain, GMS stain, Gram stain, Calcium stain, AFB stain and Perl's stain)	24 Hours	Paraffin block, Unfixed sample sent in cool pack /smears
576	Slide for second opinion	24 – 48 Hours	
577	Package of Bone marrow Aspirate cytology + Perl's iron stain+ cell block + Immuno histochemistry for synaptophysin	4 working Days	Smears + EDTA samples
578	Package Test – Irrespective of Size Frozen and Permanent sections for diagnosis - Lid, Conjunctiva, Orbit + Oil O Red stain	30 minutes for frozen section 4 working Days for Permanent sections	Fresh unfixed tissue
579	Package Test – Irrespective of Size Frozen and Permanent sections for Margin Clearance - Lid, Conjunctiva, Orbit + Oil O Red stain	1 hour for frozen section 4 Days for Permanent sections	Fresh unfixed tissue
L498	PCR sequencing for MYD88 L265P mutation	4 working Days	Unfixed sample sent in cool pack

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 6 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	



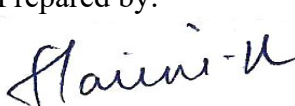
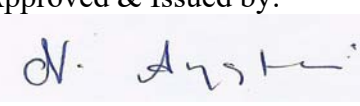
**Specimens for histopathology and cytopathology including the impression cytology smears are collected by the surgeons at operation theater/out patient department are directly received in person or by mail at SNSC lab-Histopathology 3<sup>rd</sup> floor New Building (KNBIRVO block)**

**THINGS TO BE DONE WHILE SENDING OCULAR PATHOLOGY SPECIMENS**

1. Proper labelling of the specimen with following information in the requisition form.
  - i) Name of the patient
  - ii) Age and gender of the patient
  - iii) The type of material
  - iv) The eye
  - v) Date and time of collection
  - vi) Doctor's name
2. Adequate clinical summary and clinical diagnosis
3. Proper fixation in proper preservative

**PRESERVATION OF THE SPECIMEN**

- Tissue should be preserved immediately in the proper fixative in a suitable sized container as drying of the tissue causes artifacts.
- For routine surgical specimens 10% neutral buffered formalin is used, 70 or 95% alcohol for IOL's
- Approximate volume of the fixative required for different kinds of specimens are:
  - A. Cornea - 5 to 10 ml
  - B. Eyeball - 150 to 200 ml
  - C. Exenterated specimen - 500 ml
  - D. Other biopsy material - according to the size of the specimen

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 7 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	



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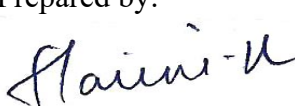
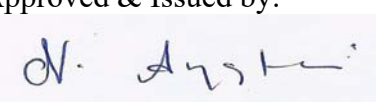
2024

**DIRECTORY OF SERVICES**

**MAILING OF SPECIMENS:**

The specimen collected should be placed in suitable sized containers (preferably plastic container), with adequate fixative. The lid of the container should be sealed with help of adhesive tape (preferable plaster) to prevent leaking of the fixative. To avoid leakage, fixed tissue can be wrapped in gauze soaked in 10 % Neutral buffered formalin. The container should bear the label with details like Name, Age/sex of the patient, specimen, written legibly in a permanent marker.

The specimen should be mailed to Sri Nathella Sampathu Chetty Clinical Laboratory – Histopathology Laboratory, 3rd Floor, New Building, and No: 41, College Road, Nungambakkam, Chennai-600 006 with proper requisition from the surgeon providing the required details mentioned above along with the address for communication. (E-mail/ telephone no. /Fax). The charges intimated to be sent as Demand Draft/Cheque/NEFT payable to Medical Research Foundation.

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 8 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	





**Instructions to Surgeons/Asst. Surgeons/OT staff for sending specimens to Histopathology**

Size of container	Volume of Formalin to be added		Frozen section	Cytology (aspirates / fluids)	Labels on Bottle	Mandatory Information In Requisition form
1.Small sized specimen	BHIB bottles	5-10 ml	Formalin Not Required	1. No Fixative 2. To be sent immediately (if delayed, sample must be sent with cool pack)	Required	1 .Name of the patient 2. Age/gender 3. MRD No. 4. The type of specimen sent OD/OS and site of the specimen 5. Date and Time of collection of sample 6. Surgeon's name 7. Adequate clinical summary with clinical diagnosis
2.Medium sized specimen	Wide mouthed Container (50-100 ml capacity)	20-50-ml				
3.Large sized specimens	Wide mouthed Container (100-200 ml capacity)	150-200 ml				

**NOTE:** *If the same sample required for Microbiology and Histopathology Investigations send the sample in sterile container without formalin first to Microbiology along with histopathology requisition form and Information about sending specimen to histopathology.*

**Storage:**

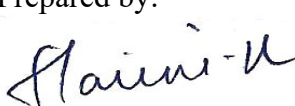
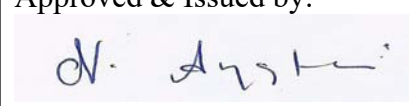
Histopathology:


Specimens (If available)-30 days

Paraffin blocks-Permanent

Cytopathology:

Fluids/Aspirates-24 hrs. at 2-8°C

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 9 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	

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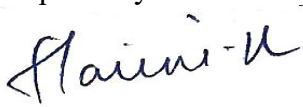

**Acceptance & Rejection Criteria**

S. No.	Acceptance Criteria	Rejection Criteria
1.	Unstained sections /Smears will be accepted	-
2.	Paraffin block, stained sections/smears will be accepted	Samples too tiny for processing/not visible samples.

**Note:**

However Histopathology specimens are not rejected on grounds of poor specimen integrity. They are accessioned and remarks are incorporated in final report.

If the specimens are sent for both microbiological as well as histopathological Investigation, the specimen would be received in unfixed condition.

Issue No : 4	Issue Date : 19.04.2024	Amend No : 3	Page 10 of 10
Prepared by:  Quality Manager		Approved & Issued by:  Director - Laboratory Services	