

4.0 ANATOMIC PATHOLOGY TEST

4.1 HISTOPATHOLOGY

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULED	PERFORM SITE	LTAT	REMARKS
1	Routine HPE - Biopsy specimens - Resected specimens - Tissue from autopsy specimen	Formalin* Fixed Tissue (*10% Neutral Buffered Formalin) (Tissue to Formalin ratio: 1:10)	Leak-proof, clear container	Office hour	Hospital Sultan Idris Shah, Serdang	Urgent small biopsy (not more than 3 containers and/or not require further levels, deeper sections or ancillary studies): 3 working days Routine specimen: Within 14 days (70%)	
2	Routine HPE (Oral Pathology)	Formalin* Fixed Tissue (*10% Neutral Buffered Formalin) (Tissue to Formalin ratio: 1:10)	Leak-proof, clear container	Office hour	Hospital Sultan Idris Shah, Serdang	Urgent small biopsy without ancillary study: 3 working days Routine specimen: Within 14 days (70%)	
3	Frozen Section	Fresh Tissue	Leak-proof, clear container	24 hours – Appointment via Pathologist in-charge at least one day prior to procedure	Hospital Sultan Idris Shah, Serdang	Frozen Section verbal report: Within 45 minutes upon receiving first uncomplicated specimen Paraffin section	

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULED	PERFORM SITE	LTAT	REMARKS
						report: Within 14 days (70%)	
4	Renal Biopsy (Requiring Immunofluorescence Study)	1. Formalin* Fixed Tissue (*10% Neutral Buffered Formalin) (Tissue to Formalin ratio: 1:10)	Leak-proof, clear container	Office hour	Hospital Sultan Idris Shah, Serdang	Within 14 days (70%)	
		2. Fresh Tissue in phosphate buffer (Transport in ice)	Leak-proof, clear container				
5	Skin Biopsy (Requiring Immunofluorescence Study)	1. Formalin* Fixed Tissue (*10% Neutral Buffered Formalin) (Tissue to Formalin ratio: 1:10)	Leak-proof, clear container	Office hour	Hospital Sultan Idris Shah, Serdang	Within 14 days (70%)	
		2. Fresh Tissue in phosphate buffer (Transport in ice)	Leak-proof, clear container				
6	Muscle Biopsy (Requiring Enzyme Histochemical Study)	Fresh Tissue (Transport in ice)	Leak-proof, clear container	Office hour – Appointment with Pathologist in- charge of HKL	Histopathology Unit, Pathology Department, Hospital Kuala Lumpur (HKL) Transportation arrangement: Refer to Anatomic Pathology: Histopathology, para 4.3	***2 months following registration of specimen at Histopathology Unit, Pathology Department, HKL	

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULED	PERFORM SITE	LTAT	REMARKS
7	Rectal Biopsy (Requiring Enzyme Histochemical Study)	Fresh Tissue (Transport in ice)	Leak-proof, clear container	Office hour – Appointment with Pathologist in- charge of HKL	Histopathology Unit, Pathology Department, Hospital Kuala Lumpur (HKL) Transportation arrangement: Refer to Anatomic Pathology: Histopathology, para 4.3	***7 days following registration of specimen at Histopathology Unit, Pathology Department, HKL	
8	Histopathology: Molecular 1) Chromogenic In Situ Hybridization (CISH)	Paraffin block (FFPE)/ unstained slides	NA	(Office hour) / prior consultation	Histopathology Unit, Pathology Department, Hospital Kuala Lumpur (HKL) / Hospital Tunku Azizah)	2 months following registration of specimen at referral laboratory	- All requests must be in writing or sent via email.
9	Histopathology: Molecular 2) Fluorescence In Situ Hybridization (FISH)	Paraffin block (FFPE)/ unstained slides	NA	(Office hour) / prior consultation	Histopathology Unit, Pathology Department, Hospital Kuala Lumpur (HKL) / Hospital Tunku Azizah)	2 months following registration of specimen at referral laboratory	- All requests must be in writing or sent via email.

***Reference: Lab Turn Around Time of Histopathology Unit, Pathology Department, Hospital Kuala Lumpur

4.2 CYTOLOGY

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULE	PERFORM SITE	LTAT	REMARKS
1	Fine Needle Aspiration Cytology (FNAC)	Smear on slide	Minimum 4 smeared slides - 2 slides fixed in 95% ethyl alcohol at minimum of 30 minutes - 2 slides air dried	Office hours	Hospital Sultan Idris Shah, Serdang	Urgent: 3 working days Routine: 14 calendar days	
		Remaining aspirated material	Remaining material placed in cytofix solution (for cell block preparation and ancillary testing if needed)				
		Material for further ancillary testing	Additional aspirate is required and material placed in cytofix solution				
2	Gynaecological Pap smear	Conventional smear	Smeared fixed slide	Office hours	Hospital Sultan Idris Shah, Serdang	Routine 30 calendar days	
		Liquid Based Cytology (LBC)	LBC vial			Urgent 14 working days	
3	Non-gynaecological, body fluid	Cerebrospinal fluid	Sterile container (Volume as collected)	Office hours	Hospital Sultan Idris Shah, Serdang		

NO	TEST	SPECIMEN TYPE	CONTAINER	SCHEDULE	PERFORM SITE	LTAT	REMARKS
		Vitreous fluid	LBC vial	Vitreous fluid: by appointment		Urgent: 3 working days Routine: 14 calendar days	
		Other fluids (Cyst, Pericardial, Peritoneal, Pleural, Synovial)	Universal container or clean container (Volume as collected)				
		Urine	Sterile container (Volume as collected)				
4	Non-gynaecological, Brushing	Brushing	2 smeared slides fixed in 95% ethyl alcohol at minimum of 30 minutes	Office hours	Hospital Sultan Idris Shah, Serdang	Urgent: 3 working days Routine: 14 calendar days	
5	Non-gynaecological, Nipple discharge	Nipple discharge	2 smeared slides: • 1 slide fixed in 95% ethyl alcohol at minimum of 30 minutes • 1 slide air-dried	Office hours	Hospital Sultan Idris Shah, Serdang	Urgent: 3 working days Routine: 14 calendar days	
6	Non-gynaecological, Sputum and washing	Sputum and washing	Universal container (Volume as collected)	Office hours	Hospital Sultan Idris Shah, Serdang	Urgent: 3 working days Routine: 14 calendar days	