

**MOLECULAR ANATOMIC PATHOLOGY, PATHOLOGY DEP., HKL**

Tel: +603-2615 5603 Fax: +603-2615 5703 Email: molpath.histohkl@moh.gov.my

REQUEST FORM FOR MOLECULAR TESTING

Specimen Information Details		Patient Details	
HPE Number		Name	
Block Number		NRIC	
Specimen Site/ Tissue Type		Gender	
Requesting Doctor		Ethnicity	
Date of Request		Age	
Department/ Institution		For Laboratory Use Only	
Contact Number		HPE No.	
Email Address		Date Received	
Reason for requesting the Molecular Test (compulsory)		Date Reported	
		PIC Name/Signature	
		Remarks:	

NOTES

1. Please complete all the information above. For further enquiries, please contact EN. MOHD FADZLY BIN SHAHARUDDIN or MOLECULAR PATHOLOGIST ON-CALL at +603-2615 5603
2. Please contact the Molecular Pathologist on-call before submitting the request for molecular testing.
3. Each Molecular Testing request form must be accompanied with:
 - A copy of the patient's HPE report
 - One (1) H&E slide
 - One (1) paraffin block
 - Molecular Anatomic Pathology, HKL request form
4. Molecular testing results may be invalid if performed on:
 - Tissue with scanty tumour material. Minimum tumour cell requirement: at least 20% viable tumour.
 - Tissue that is improperly fixed in which recommended fixation procedures have not been followed
 - Tissue decalcified with strong acids (e.g. RDO). Chelating agents (e.g. Osteosoft) are preferred for molecular testing.
5. Refer to page 2 for an up-to-date list of available molecular tests. Please tick (✓) at the appropriate box.



MOLECULAR ANATOMIC PATHOLOGY, PATHOLOGY DEP., HKL

Tel: +603-2615 5603 Fax: +603-2615 5703 Email: molpath.histohkl@moh.gov.my

REQUEST FORM FOR MOLECULAR TESTING

Please tick (√) at the appropriate box or where applicable

ISH TESTING		
FISH Probe	Localization	Type of Probe
1p19q	1p36 and 19q13	Co-Deletion/Deletion
ALK for NSCLC	2p23	Break-Apart
BCL-2	18q21.33	Break-Apart
BCL-6	3q27	Break-Apart
CDK4	12q14.1	Amplification
CMYC	8q24	Break-Apart
ETV6	7p22	Break-Apart
EWSR1	22q12	Break-Apart
MDM2	12q15	Amplification
MYCN	2p24	Amplification
ROS1	6q22	Break-Apart
SS18	18q11.2	Break-Apart
CISH Probe	Localization	Type of Probe
EBER ISH	Non-protein coding RNA	Diagnostic
HER-2 DDISH	17q12-21.32	Amplification

PCR & SEQUENCING TEST		
Primer Name	Localization	Type of Primer
BRAF	Codon 600 of the BRAF oncogene (V600E, V600Ec, V600D, V600K and V600R)	Mutation
IDH1/2	IDH1 R132, R100 IDH2 R172	Mutation
KRAS	Exon 2 (Codon 12 and 13)	Mutation
KRAS	Exon 2 (Codon 12 and 13) Exon 3 (Codon 59)	Mutation
MGMT	Four CpG sites in Exon 1 of the human MGMT gene	Methylation
MLH1	3p21-23	Methylation
RAS Extension	KRAS Exon 3 and 4 NRAS Exon 2, 3 and 4	Mutation

IHC SURROGATE BIOMARKER	
Marker Name	Indication
ALK (D5F3)	• Lung Cancer
BRAF V600E (VE1)	• Melanoma • Colorectal Cancer • Thyroid Cancer • Low Grade Brain Cancer
HER2 (4B5)	• Breast Cancer • Gastric Cancer • Esophageal Cancer
PAN TRK (EPR17341)	• Lung Cancer • Soft Tissue
PD-L1 (SP263)	• NSCLC
ROS1 (SP384)	• Lung Cancer
MMR (MLH1, MSH2, MSH6, PMS2)	• Colorectal Cancer • Endometrial Cancer

