GenomixLAB®
Your Specialists in Genetic Diagnostics

Advanced Genomics Sdn Bhd (1181235-D)
No. 47-3A, Level 3, Jalan PJU 5/12
Dataran Sunway, Kota Damansara
47810 Petaling Jaya, Selangor DE,

Onco-Genetic Test Request Form & Statement of Medical Necessity

GenomixLab #

Patient Information (*or affix label here*)

Name		Gender	☐ Male ☐ Female
NID/ Passport #		Medical Record #	
Date of Birth		Date:	
Address			

Ethnicity and Clinical History

☐ Chinese ☐ Malay ☐ Indian ☐ Others (please specify) .....

Patient Personal History of Cancer ***(Check all that apply)***

☐ No Personal History of Cancer

☐ No Known Family History of Cancer

Family History of Cancer

.....

.....

.....

Sample Type

☐ Whole Blood-5mL (EDTA purple–top)

☐ Paraffin section on slide (10 unstained and marked)

☐ cf DNA (PAXgene or Streck Tube)

☐ FFPE Tissue (for somatic changes)

☐ Needle biopsy (4-6 cores)

Hereditary Cancer Multi-Gene Test Panels (Select Panel)

◯ All Genes
Selects all available genes.

◯ Onco-BRCA
BRCA1/ BRCA2 with CNV (Deletion/duplication) testing

◯ Onco-BRCA –Plus
ATM, BARD1, BRCA1/ BRCA2 with CNV (Deletion/duplication) testing, , *BRIP1, CDH1, CHEK2, PALB2, PTEN, STK11, TP53*

◯ Endocrine Cancer, Hereditary
AIP, APC, CDC73, CDKN1B, FH, MAX, MEN1, MET, NF1, PRKAR1A, PTEN, RET, SDHAF2, SDHB, SDHC, TMEM127, TP53, VHL

◯ Onco-Colon
APC, AXIN2, BMPR1A, CDH1, CHEK2, EPCAM, GREM1, MLH1, MSH2, MSH6, MUTYH, PMS2, POLD1,POLE, PTEN, SMAD4, STK11, TP53

◯ Onco-Endometrial
BRCA1, BRCA2, EPCAM, MLH1, MSH2, MSH6, PMS2, POLD1, PTEN, TP53

◯ Onco-GYN
BRCA1, BRCA2, BRIP1 , EPCAM, MLH1, MSH2, MSH6, PALB2, PMS2, PTEN, RAD51C, RAD51D, TP53

◯ Li-Fraumeni Syndrome
TP53

◯ Onco-Prostate
ATM, BRCA1, BRCA2, CHEK2, EPCAM, HOXB13, MLH1, MSH2, MSH6, NBN, PMS2, TP53

◯ Pancreatitis Panel
APC, ATM, BMPR1A, BRCA1, BRCA2, CDK4, CDKN2A, EPCAM, FANCC, MEN1, MLH1, MSH2, MSH6, NF1, PALB2, PMS2, SMAD4, STK11, TP53, TSC1, TSC2, VHL

◯ Onco-Thyroid
APC, CHEK2, DICER1, PRKAR1A, PTEN, RET, TP53

◯ Adenomatous Polyposis
APC, MUTY

◯ Multiple endocrine neoplasia type 1
MEN1

◯ Multiple endocrine neoplasia type 2
RET

◯ Hereditary Retinoblastoma
RB1

◯ Xeroderma Pigmentosum
DDB2, ERCC1, ERCC2, ERCC3, ERCC4, ERCC5, XPA, XPC

◯ Custom
Select genes below to create a custom panel

SELECT CUSTOM PANEL

☐ *ABL1*	☐ *AKT1*	☐ *AKT3*	☐ *ALK*	☐ *APC*	☐ *AR*	☐ *ATM*	☐ *AXIN2*	☐ *AXL*	☐ *BARD1*
☐ *BMPR1A*	☐ *BRAF*	☐ *BRCA1*	☐ *BRAC2*	☐ *BRIP1*	☐ *CCND1*	☐ *CDH1*	☐ *CDK4*	☐ *CDK6*	☐ *CHEK1*
☐ *CHEK2*	☐ *CTNNB1*	☐ *DDR2*	☐ *EGFR*	☐ *EPCAM*	☐ *ERBB2*	☐ *ERBB3*	☐ *ERBB4*	☐ *ERG*	☐ *ESR1*
☐ *ETV1*	☐ *ETV4*	☐ *ETV5*	☐ *FGFR1*	☐ *FGFR2*	☐ *FGFR3*	☐ *FGFR4*	☐ *GNA11*	☐ *GNAQ*	☐ *GREM1*
☐ *HOXB13*	☐ *HRAS*	☐ *IDH1*	☐ *IDH2*	☐ *JAK1*	☐ *JAK2*	☐ *JAK3*	☐ *KIT*	☐ *KRAS*	☐ *MAP2K1*
☐ *MAP2K2*	☐ *MET*	☐ *MLH1*	☐ *MRE11*	☐ *MSH2*	☐ *MSH6*	☐ *MTOR*	☐ *MUTYH*	☐ *MYCN*	☐ *NBN*
☐ *NRAS*	☐ *NTRK1*	☐ *NTRK2*	☐ *NTRK3*	☐ *PALB2*	☐ *PDGFRA*	☐ *PIK3CA*	☐ *PMS2*	☐ *POLD1*	☐ *POLE*
☐ *PPARG*	☐ *PTEN*	☐ *RAD50*	☐ *RAD51C*	☐ *RAF1*	☐ *RET*	☐ *ROS1*	☐ *SMAD4*	☐ *SMO*	☐ *STK11*
☐ *TP53*									

NEXT PAGE

GenomixLAB®
Your Specialists in Genetic Diagnostics

Advanced Genomics Sdn Bhd (1181235-D)

No. 47-3A, Level 3, Jalan PJU 5/12
Dataran Sunway, Kota Damansara
47810 Petaling Jaya, Selangor DE,

Onco-Genetic Test Request Form & Statement of Medical Necessity

Solid Tumour Panel

◯ **Onco-BRCA™** *AKT1, BRCA1, BRCA2, CCND1,ERBB2, FGFR1, MYC, NTRK3,PIK3CA*	◯ **Onco-Focus Assay** **Hotspot genes (35 genes); Copy number genes (19 genes) ; Gene fusions (23 genes)**	◯ **MSI (Pentaplex)** BAT25 (c-kit), BAT26 (hMSH2), MONO27 (inhibitor of apoptosis protein-1) , NR21 (SKC7AB) and NR24 (Zinc Finger2)	◯ **Onco-Thyroid** *AKT1, BRAF, CTNNB1, HRAS, IDH1,KRAS, NRAS, NTRK1, RET*
◯ ***BRAF*** ***V600E. V600K, K601E***	◯ **Onco-Hepatic** *BRAF, CCND1, CTNNB1,IDH1, IDH2, KRAS, MYC, NRAS*	◯ **Onco-Prostate** *AKT1, APC, AR, BRAF, BRCA2, CTNNB1, ERG, ETV1, ETV4, ETV5, FGFR1, HRAS, IDH1, KRAS, NRAS*	◯ **HER2 Amplification**
◯ **Onco-Colon** APC, BRAF,CTNNB1, ERBB2, ERBB3, ESR1,FGFR1,KRAS, MYC, NRAS, PIK3CA	◯ **Onco-LUNGS (NSCL)** *ALK, BRAF,CCND1, CDK4, FGFR, ERBB2, FGFR1, FGFR3, KRAS, MYC, NTRK1, PIK3CA, RET*	◯ **Pancreatic** *APC, BRAF, CDK6, CTNNB1, ERBB2, ERBB3, KRAS, MLH1, MSH2, MSH6, MYC, NRAS, PIK3CA, PMS2, PTEN*	◯ **Onco-OVARIAN** *BRAF, CCND1, CTNNB1, FGFR1, FGFR3, KIT, NRAS, MYC, PIK3CA*
◯ ***EGFR*** *T790M, L858R, E746_A750del, C797S, Exon 19 Deletion*	◯ **Onco-LUNGS (SCL)** EGFR,FGFR1, MYC, MYCN, PIK3CA		◯ **Custom** Select genes below to create a custom panel

SELECT CUSTOM PANEL (HOTSPOT♣/COPY NUMBER VARIANT */FUSION GENES♥)

☐ *ABL1*♥*	☐ *AKT1♣**	☐ *AKT3♥*	☐ *ALK♣*♥*	☐ *APC**	☐ *AR♣**	☐ *AXL♥*	☐ *BRAF♣*♥*	☐ BRCA1♣*	☐ BRCA2♣*
☐ *CCND1**	☐ *CDK4♣**	☐ *CDK6**	☐ *CTNNB1♣*	☐ *DDR2♣*	☐ *EGFR♣*♥*	☐ *ERBB2♣*♥*	☐ *ERBB3♣*	☐ *ERBB4♣*	☐ *ERG♥*
☐ *ESR1♣*	☐ *ETV1♥*	☐ *ETV4♥*	☐ *ETV5♥*	☐ *FGFR1*♥*	☐ *FGFR2♣*♥*	☐ *FGFR3♣*♥*	☐ *FGFR4**	☐ *GNA11♣*	☐ *GNAQ♣*
☐ *HRAS♣*	☐ *IDH1♣*	☐ *IDH2♣*	☐ *JAK1♣*	☐ *JAK2♣*	☐ *JAK3♣*	☐ *KIT♣**	☐ *KRAS♣**	☐ *MAP2K1♣*	☐ *MAP2K2♣*
☐ *MET♣*♥*	☐ MLH1♣	☐ MSH2♣	☐ MSH6♣	☐ *MTOR♣*	☐ *MYC**	☐ *MYCN**	☐ *NRAS♣*	☐ *NTRK1♥*	☐ *NTRK2♥*
☐ *NTRK3♥*	☐ *PDGFRA♣*♥*	☐ *PIK3CA♣**	☐ PMS2	☐ *PPARG♥*	☐ PTEN♣	☐ *RAF1♣*♥*	☐ *RET♣*♥*	☐ *ROS1♣*♥*	☐ *SMO♣*
☐ TP53♣									

Liquid Biopsy Panel

◯ **Onco-ctNA LUNGS™** Eleven genes and >150 hotspots are covered (Genes: ALK, BRAF, EGFR, ERBB2, KRAS, MAP2K1, MET, NRAS, PIK3CA, ROS1, and TP53)	◯ **Onco-ctDNA BREAST** Ten genes with >150 hotspots are covered (Genes: AKT1, EGFR, ERBB2, ERBB3, ESR1, FBXW7, KRAS, PIK3CA, SF3B1, TP53
◯ **Onco-ctDNA COLON** Fourteen genes with >240 hotspots are covered (Genes: AKT1, BRAF, CTNNB1, EGFR, ERBB2, FBXW7, GNAS, KRAS, MAP2K1, NRAS, PIK3CA, MAD4, TP53, APC)	**Onco-ctDNA PAN-CANCER (Not available)** 52 GENES: AKT1, ALK, AR, ARAF, BRAF, CHEK2, CTNNB1, DDR2,EGFR, ERBB2, ERBB3, ERG, ESR1, ETV1, FGFR1, FGFR2, FGFR3, FGFR4, FLT3, GNA11, GNAQ, GNAS, HRAS, IDH1, IDH2, KIT, KRAS, MAP2K1, MAP2K2, MET, MTOR, NRAS, NTRK1, NTRK3, PDGFRA, PIK3CA, RAF1, RET, ROS1, SF3B1, SMAD4, SMO

Consent for Genetic Testing

I,_____ hereby authorize **GenomixLAB®** to perform genetic testing as ordered by my physician to determine whether I carry a harmful mutation(s) which might result in a disease or discomfort. I acknowledge that I have been explained the following about the test: **(1)** The purpose, description, benefits, risks of the test and explanation of the disease, this test is intended. **(2)** I was told that my biological specimen will be used only for the test requested. My specimen will not be used for any other test or any research purposes. However, **GenomixLAB®** has right to retain my specimen for repetition or for further confirmation for certain period of time as required. **(3)** My test results will be stored in secure system by **GenomixLAB®** and is only accessible to the physician, **GenomixLAB®** staff, and other authorized persons.

Patient's Acknowledgement:

By signing this document I acknowledge that I was explained all the above mentioned details about the test and after understanding I voluntarily agree for the genetic test.

Name and ID number	Signature and Date:

Informed Consent and Statement of Medical Necessity

I have supplied information to the patient regarding genetic testing and the patient has given consent for genetic testing to be performed. I further confirm that this test is medically nessary for the risk evaluation, for the diagnosis or will provide information regarding patient's ongoing treatment plan, and the results will be used in the medical management and treatment decisions for the patient requested herein.

Doctor's Signature	Date: