Hereditary Cancer Panel (HCP) Requisition

LAB USE ONLY

Received Date YYYY/MM/DD:

Notes:

SAMPLE COLLECTION

Date Drawn YYYY/MM/DD:

- [ ] EDTA blood (lavender top) (5ml at room temp)
- [ ] DNA (100ng minimum)
- [ ] Other:

TEST REQUEST

Testing ordered must align with guidelines for Hereditary Cancer Testing Eligibility, available at https://www.cancercareontario.ca/en/guidelines-advice/types-of-cancer/70161.

- [ ] HCP Panel/Single Gene Syndrome
  (Please make specific panel selection on page 2)
- [ ] HCP Custom Request (Indicate Gene(s)):
- [ ] Carrier testing/Known Family Mutation
  LHSC MD#/Name of index case in the family (include copy of report):
  - Date of Birth YYYY/MM/DD:
  - Relationship to this patient:
  - Gene: RefSeq:NM:
  - Mutation:
- [ ] DNA Banking

Genetic testing of any of the subpanels listed on this requisition may reveal incidental findings. Incidental findings will be communicated to the ordering provider and reported as part of the patient's result.
If this patient does not wish to receive incidental findings, please check ☐

PATIENT INFORMATION

INCOMPLETE REQUESTS WILL BE BANKED

Name:

Address:

Date of Birth YYYY/MM/DD:

Health Card No.:

Gender: M ☐ F ☐ Unknown ☐ Unspecified ☐

Sex at Birth: M ☐ F ☐ Unknown ☐ Unspecified ☐

REQUEST FOR EXPEDITED RESULT

- [ ] Pregnancy (LMP, YYYY/MM/DD):
- [ ] Medical Intervention (Specify Date)

CLINICAL INFORMATION

Disease Status:

- [ ] Affected - Age of diagnosis:
  Specify proband cancer type(s):
- [ ] Unaffected [ ] Unknown

Previous testing (Indicate MD# if tested at LHSC):

Family History of Disease: ☐ Positive ☐ Negative

Ethnicity:

REFERRING PHYSICIAN

Authorized Signature is Required

Physician Name (print):

Signature: Email:

Clinic/Hospital:

Address:

Telephone: Fax:

CC REPORT TO

Name:

Address:

Telephone:

Fax:

Molecular Genetics Laboratory
Victoria Hospital, Room B10-123A
800 Commissioners Rd. E.
London, Ontario | N6A 5W9
Ph: 519-685-8122 | Fax: 519-685-8279

London Health Sciences Centre
Pathology and Laboratory Medicine

(2024/05/10)

All Orderables for HCP Requisition

Patient Identifier: _____

LARGE PANEL ORDERABLES - GENE LISTS

☐ **Hereditary Comprehensive Cancer Panel**
AIP, APC, ATM, AXIN2, BAP1, BARD1, BMPR1A, BRCA1, BRCA2, BRIP1, CDC73, CDH1, CDK4, CDKN1B, CDKN2A, CHEK2, CTNNA1, DICER1, EGFR, EGLN1, EPCAM, EXT1, EXT2, FH, FLCN, GALNT12, GREM1, HOXB13, KIT, LZTR1, MAX, MEN1, MET, MITF, MLH1, MLH3, MSH2, MSH3, MSH6, MUTYH, NBN, NF1, NF2, NTHL1, PALB2, PDGFRA, PMS2, POLD1, POLE, POT1, PRKAR1A, PTCH1, PTEN, RAD51C, RAD51D, RB1, RECQL, RET, RNF43, RPS20, SDHA, SDHAF2, SDHB, SDHC, SDHD, SMAD4, SMARCA4, SMARCB1, SMARCE1, STK11, SUFU, TMEM127, TP53, TSC1, TSC2, VHL

☐ **Hereditary Breast/Ovarian/Prostate Panel**
ATM, BARD1, BRCA1, BRCA2, BRIP1, CDH1, CHEK2, EPCAM, HOXB13, MLH1, MSH2, MSH6, PALB2, PMS2, PTEN, RAD51C, RAD51D, STK11, TP53

☐ **Hereditary Endometrial Panel**
BRCA1, BRCA2, EPCAM, MLH1, MSH2, MSH6, PMS2, POLD1, POLE, PTEN

☐ **Hereditary Gastric Panel**
APC, ATM, BRCA1, BRCA2, CDH1, CTNNA1, EPCAM, MLH1, MSH2, MSH6, PALB2, PMS2, SDHB, SDHD, SMAD4, STK11, TP53

☐ **Hereditary Gastrointestinal Panel**
(Includes Lynch Syndrome, Gastric, Pancreatic and Polyposis Panels)
APC, ATM, BMPR1A, BRCA1, BRCA2, CDH1, CDKN2A, CHEK2, CTNNA1, EPCAM, GALNT12, GREM1, MLH1, MLH3, MSH2, MSH3, MSH6, MUTYH, NTHL1, PALB2, PMS2, POLD1, POLE, PTEN, RNF43, RPS20, SDHB, SDHD, SMAD4, STK11, TP53

☐ **Hereditary Lynch Syndrome Panel**
EPCAM, MLH1, MSH2, MSH6, PMS2
IHC results: _____

☐ **Hereditary Pancreatic Panel**
ATM, BRCA1, BRCA2, CDKN2A, EPCAM, MLH1, MSH2, MSH6, PALB2, PMS2, STK11, TP53

☐ **Hereditary Pheochromocytoma/Paraganglioma Panel**
FH, MAX, MEN1, NF1, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, TMEM127, VHL

☐ **Hereditary Polyposis Panel**
APC, BMPR1A, EPCAM, GALNT12, GREM1, MLH1, MLH3, MSH2, MSH3, MSH6, MUTYH, NTHL1, PMS2, POLD1, POLE, PTEN, RNF43, RPS20, SMAD4, STK11, TP53

☐ **Familial Gastrointestinal Stromal Panel**
KIT, PDGFRA, SDHA, SDHAF2, SDHB, SDHC, SDHD

☐ **Familial Melanoma Panel**
BAP1, BRCA2, CDK4, CDKN2A, MITF, POT1, PTEN

☐ **Familial Renal Panel**
BAP1, FH, FLCN, MET, MITF, PTEN, SDHA, SDHAF2, SDHB, SDHC, SDHD, TP53, TSC1, TSC2, VHL

☐ **Central Nervous System Cancer Panel**
APC, EPCAM, LZTR1, MLH1, MSH2, MSH6, NF1, NF2, PMS2, POLE, POT1, PTCH1, PTEN, SMARCB1, SMARCE1, SUFU, TP53, TSC1, TSC2, VHL

☐ **Soft Tissue Cancer Panel**
APC, ATM, BRCA1, BRCA2, CHEK2, EPCAM, MLH1, MSH2, MSH6, NF1, PMS2, TP53

SMALL PANEL ORDERABLES

☐ **Ashkenazi Jewish Panel**
NM_000038.6(APC):c.3920T>A, p.(Ile1307Lys), NM_007294.4(BRCA1):c.68_69del, p.(Glu23Valfs*17), NM_007294.3(BRCA1):c.5266dupC, p.(Gln1756Profs*74), NM_000059.4(BRCA2):c.5946del p.(Ser1982Argfs*22), NM_007194.4(CHEK2): c.1283C>T, p.(Ser428Phe), NM_000251.2(MSH2):c.1906G>C, p.(Ala636Pro), NM_000179.2(MSH6):c.3984_3987dupGTCA, p.(Leu1330Valfs*12), NM_000179.2(MSH6): c.3959_3962delCAAG, p.(Arg1321Serfs*5), GREM1 40 kb dup

☐ **AXIN2-related Attenuated Familial Adenomatous Polyposis** (AXIN2)

☐ **BAP1 Tumour Predisposition Syndrome** (BAP1)

☐ **Basal Cell Nevus Syndrome** (PTCH1, SUFU)

☐ **Birt-Hogg-Dube Syndrome** (FLCN)

☐ **Carney Complex** (PRKAR1A)

☐ **DICER-associated Syndrome** (DICER1)

☐ **Dysplastic Nevus Syndrome** (CDK4, CDKN2A)

☐ **Familial Adenomatous Polyposis (CHRPE, CMV Thyroid, Desmoid) Panel**
☐ APC, MUTYH OR ☐ APC-only

☐ **Familial Isolated Pituitary Adenoma** (AIP)

☐ **Hereditary Hyperparathyroidism** (CDC73, MEN1)

☐ **Hereditary Leiomyomatosis and Renal Cell Cancer** (FH)

☐ **Hereditary Lung Cancer** (EGFR)

☐ **Li-Fraumeni Syndrome** (TP53)

☐ **Multiple Endocrine Neoplasia Type 1 & 4** (MEN1, CDKN1B)

☐ **Multiple Endocrine Neoplasia Type 2** (RET)

☐ **Neurofibromatosis Type 1** (NF1)

☐ **Nijmegen Breakage Syndrome** (NBN)

☐ **Peutz-Jeghers Syndrome** (STK11)

☐ **PTEN Hamartoma Tumour Syndrome** (PTEN)

☐ **Rare Polyposis** (GALNT12, RPS20)

☐ **Retinoblastoma** (RB1)

☐ **Rhabdoid Tumor Predisposition Syndrome** (SMARCA4, SMARCB1)

☐ **Schwannomatosis** (LZTR1, NF2, SMARCB1)

☐ **Sessile Serrated Polyposis Cancer Syndrome** (RNF43)

☐ **Small Cell Carcinoma of the Ovary, Hypercalcemic Type** (SMARCA4)

☐ **Tuberous Sclerosis** (TSC1, TSC2)

☐ **Von Hippel-Lindau Syndrome** (VHL)

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