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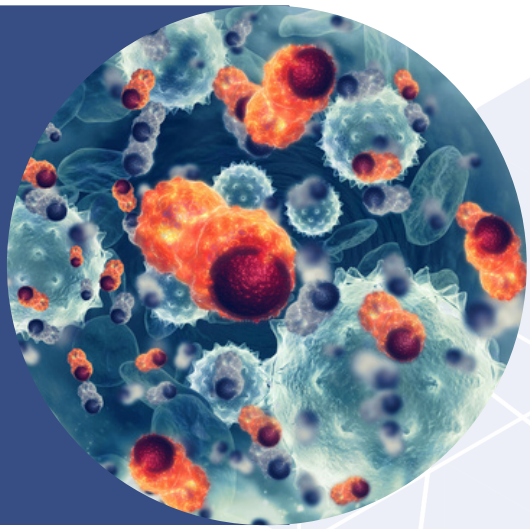
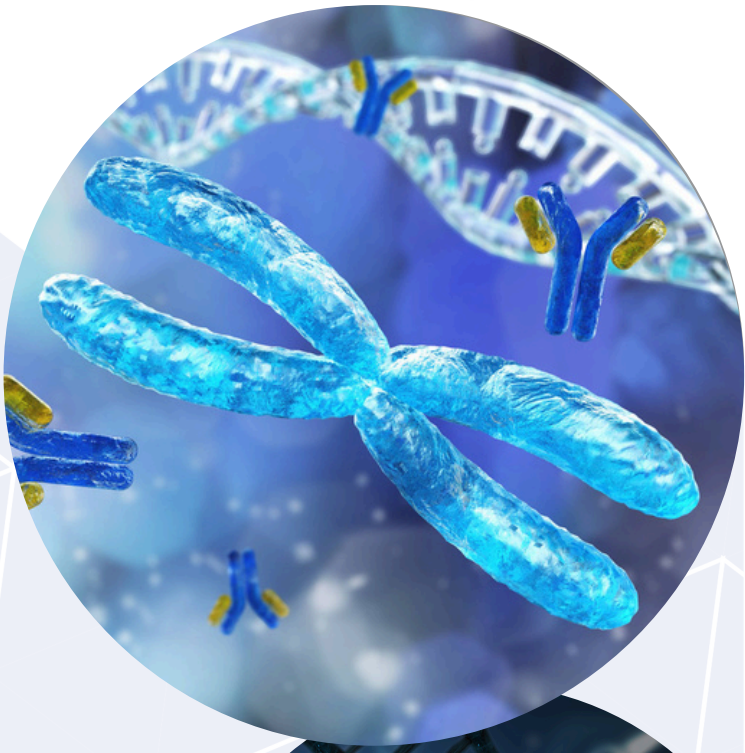


Uncovering Mutations in Your DNA

& providing clinically actionable data for choice of the most optimal treatment

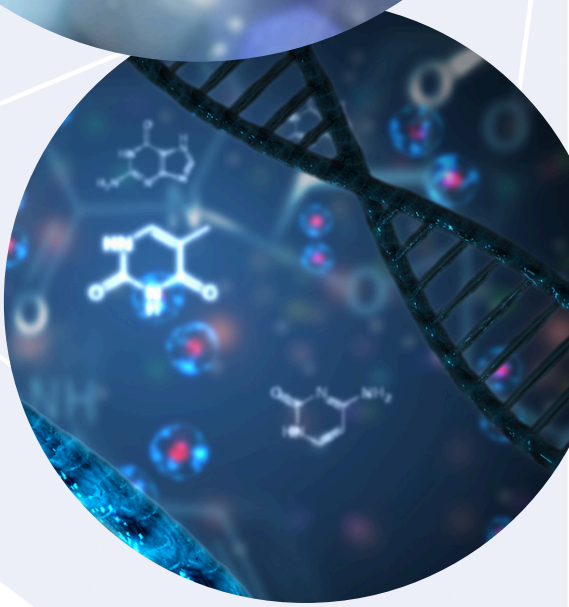
HEREDITARY CANCER PANEL

Some cancers are known to be associated with mutations in cancer pathway genes that have been genetically transmitted, often through several generations. With increase in substantial data being published on the increased efficacy of MGPT (Multi Gene Panel Test), most cancer geneticists seem to be adapting the idea. Understanding the molecular etiology of a cancer occurrence can help guide treatment and proper surveillance. Our Hereditary Cancer panel is a Next generation sequencing based Multigene panel which tests for variants in multiple genes that have been associated with increased cancer risk and thus give you the power to identify your risk of developing over 15 types of cancers simultaneously. This test covers more than 140 genes and helps to improve diagnostic yield and deliver more comprehensive results.



IMPORTANT CANCERS COVERED:

- Breast
- Ovarian
- Colorectal
- Endometrial
- Gastro-Intestinal
- Renal
- Pancreatic
- Brain
- Eye
- Osteosarcoma
- Rhabdomyosarcoma
- Familial Melanoma
- Familial adenomatous polyposis-1
- Endocrine tumors including multiple endrocrine neoplasia 1
- Lynch syndrome



HEREDITARY SYNDROMES ASSOCIATED WITH SINGLE GENE DEFECTS:

- Von-Hippel-Lindau
- Li-Fraumeni
- Birt-Hogg-Dube
- Gorlin
- Fanconi Anemia
- Turcot syndrome
- Bloom syndrome
- Gardner syndrome
- Familial Wilms Tumor
- Noonan syndrome 1

SAMPLE

- 3 ml BLOOD in EDTA/ Lavender top tubes

WHO NEEDS THIS TEST?

- A family member with more than 1 type of cancer
- Family members who had cancer at a younger age
- Close relatives with cancers linked to rare hereditary cancer syndromes
- A family member with a rare cancer, such as breast cancer in a male
- Confirmation of a clinical diagnosis of an inherited cancer

WHY THIS TEST?

- Genetic level confirmation of diagnosis
- Assess your risk of developing a cancer if your family members are affected
- Helps your physician to develop personalise monitoring plans to manage your risk
- Some germline/inherited mutations have actionable therapy implications

GENES COVERED IN THIS PANEL:

CDC73 FH MTOR MUTYH NRAS NTRK1 PTCH2 RAD54L RNASEL RSPO1 SDHB SDHC ALK ANTXR1 BARD1 BUB1 EPCAM ERCC3 FANCL MSH2 MSH6 TMEM127 ATR BAP1 CACNA1D FANCD2 MITF MLH1 PIK3CA RNF168 VHL XPC KDR KIT PALLD APC PDGFRB RAD50 SDHA SPINK1 TERT FANCE POLH ROS1 BRAF EGFR MET PMS2 PRSS1 SBDS XRCC2 CTHRC1 EXT1 MSR1 NBN RECQL4 VPS13B WRN CDKN2A FANCC FANCG MTAP PTCH1 TGFBR1 TSC1 XPA ASCC1 BMPR1A DNA2 KLLN NCOA4 PRF1 PTEN RET SUFU AIP ATM CBL CHEK1 DDB2 EXT2 FANCF MEN1 MRE11A SDHAF2 SDHD WT1 CDK4 CDKN1B HNF1A KRAS POLE PTPN11 BRCA2 ERCC5 LIG4 RB1 AKT1 DICER1 FANCM MAX MLH3 RAD51B BLM BUB1B FANCI MAP2K1 RAD51 SPRED1 CDH1 CYLD ERCC4 FANCA PALB2 SLX4 TSC2 AXIN2 BRCA1 BRIP1 CDK12 ELAC2 ERBB2 FLCN HNF1B HOXB13 MYH8 NF1 PPM1D PRKAR1A RAD51C RAD51D RHBDF2 SMARCE1 TP53 SETBP1 SMAD4 ERCC2 POLD1 STK11 RUNX1 CHEK2 NF2 SMARCB1 FANCB GPC3 SH2D1A WAS

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REPROCELL BRANDS

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