

Hereditary cancer 48 gene panel

Associated Syndromes

Genes	Breast	Ovarian	Colorectal	Uterine	Skin	Pancreatic	Gastric	Prostate	Renal	Lung	Endocrine	Other
BRCA1-associated hereditary breast and ovarian cancer syndrome	●	●				●		●				
BRCA2-associated hereditary breast and ovarian cancer syndrome	●	●			●	●		●				
Lynch syndrome/Hereditary non-polyposis colorectal cancer (HNPCC)		●	●	●	●	●	●	●				●
Hereditary diffuse gastric cancer (HDGC) syndrome	●						●					
Familial adenomatous polyposis (FAP)/attenuated familial adenomatous polyposis (AFAP)			●				●				●	●
Carrier Status for MUTYH-associated polyposis syndrome (MAP)												
MUTYH-associated polyposis syndrome (MAP)			●									●
Melanoma-pancreatic cancer syndrome (MPCS)					●	●						
Melanoma cancer syndrome (MCS)					●	●						
Li-Fraumeni syndrome (LFS)	●		●	●	●	●	●	●	●			●
PTEN hamartoma tumor syndrome (PHTS)	●		●	●	●				●		●	●
Peutz-Jeghers syndrome (PJS)	●	●	●	●		●	●			●		●
PALB2-associated cancer risk	●	●				●						
ATM-associated cancer risk	●					●		●				
CHEK2-associated cancer risk	●		●									
CHEK2-associated cancer risk (biallelic)	●		●									
RAD51C-associated cancer risk (Women only)	●	●										
RAD51D-associated cancer risk (Women only)	●	●										
BARD1-associated cancer risk (Women only)	●											
BRIP1-associated cancer risk (Women only)		●										
Juvenile polyposis syndrome (JPS) and hereditary hemorrhagic telangiectasia (HHT)			●				●					●

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von Hippel-Lindau syndrome (VHL)									●		●	●
Multiple endocrine neoplasia type 2A (MEN2A), familial medullary thyroid cancer (FMTC), or multiple endocrine neoplasia type 2B (MEN2B)											●	●
Multiple endocrine neoplasia type 1 (MEN Type 1)											●	●
BAP1-tumor predisposition syndrome (BAP1-TPDS)					●				●			●
Tuberous sclerosis complex (TSC)									●			●
Hereditary leiomyomatosis and renal cell carcinoma syndrome (HLRCC)					●				●			●
Birt-Hogg-Dubé syndrome (BHDS)					●				●			●
TERT-associated cancer risk					●							
MITF-associated cancer risk					●							
Hereditary papillary renal cell carcinoma (HPRCC)									●			
Hereditary pheochromocytoma-paraganglioma syndrome (hereditary PPGL syndrome)									●		●	●
Polymerase proofreading-associated polyposis (PPAP)			●									
Hereditary mixed polyposis syndrome (HMPS)			●									
AXIN2-associated cancer risk			●									
Carrier Status for NTHL1 tumor syndrome												
NTHL1 tumor syndrome	●		●	●								●
Carrier Status for MSH3-associated polyposis syndrome												
MSH3-associated polyposis syndrome			●									
HOXB13-associated cancer risk (Men only)								●				
EGFR-associated cancer risk										●		