



The Hereditary Cancer Screening panel (84 genes) analyzes genes associated with hereditary cancers across major organ systems. The test is designed to maximize diagnostic yield for individuals with a personal or family history of mixed cancers affecting multiple organ systems.

AIP	ALK	APC	ATM	AXIN2	BAP1	BARD1	BLM
BMPR1A	BRCA1	BRCA2	BRIP1	CASR	CDC73	CDH1	CDK4
CDKN1B	CDKN1C	CDKN2A	CEBPA	CHEK2	CTNNA1	DICER1	DIS3L2
EGFR	EPCAM	FH	FLCN	GATA2	GPC3	GREM1	HOXB13
HRAS	KIT	MAX	MEN1	MET	MITF	MLH1	MSH2
MSH3	MSH6	MUTYH	NBN	NF1	NF2	NTHL1	PALB2
PDGFRA	PHOX2B	PMS2	POLD1	POLE	POT1	PRKAR1A	PTCH1
PTEN	RAD50	RAD51C	RAD51D	RB1	RECQL4	RET	RUNX1
SDHA	SDHAF2	SDHB	SDHC	SDHD	SMAD4	SMARCA4	SMARCB1
SMARCE1	STK11	SUFU	TERC	TERT	TMEM127	TP53	TSC1
TSC2	VHL	WRN	WT1				

Genetic testing of these genes may confirm a diagnosis and help guide treatment and management decisions. Identification of a disease-causing variant would also guide testing and diagnosis of at-risk relatives. This test is specifically designed for heritable germline mutations and is not appropriate for the detection of somatic mutations in tumour tissue.