

Germline⁺®

From Risk to Response. Guided by Genes.

For patients with early-onset or familial cancers to detect inherited mutations (e.g., BRCA1/2, PALB2) guiding prevention and targeted therapies like PARP inhibitor.



Genetic Testing for Hereditary Cancer with HRR and MMR Analysis

WHY GERMLINE+?



Comprehensive Hereditary Cancer Assessment:

Analyzes 163 clinically relevant cancer predisposition genes, including BRCA1/2



Beyond BRCA Testing:

Covers a broad spectrum of hereditary cancer syndromes across breast, ovarian, prostate, GI, pancreatic, and other cancers



HRR & MMR Pathway Coverage:

Includes clinically actionable Homologous Recombination Repair (HRR) and Mismatch Repair (MMR) genes



Therapy-Relevant Insights:

Identifies inherited alterations that may guide PARP inhibitor eligibility and other precision oncology strategies



Actionable for Patients & Families:

Provides insights into cancer risk, genetic inheritance, and familial screening opportunities



One Test, Multiple Clinical Utilities:

Supports risk assessment, treatment planning, and family counseling from a single assay

Assay Specification and Performance Overview



Gene Number

163 Genes



Sample Type

Blood in EDTA tubes (6ml) or in Streck tubes (10ml)



Specificity and Sensitivity

99.99%



Turn Around Time

12-14 working days



Sequencing Chemistry

Hybrid Capture, End to End Sequencing of all the Exons of a given Gene



Mean Sequencing Depth

400X

Key Genes in Germline+



ABRAXAS1	EGFR	MAX	RAD50	XPA
ACD	ELAC2	MC1R	RAD51	XPC
AIP	ENG	MEN1	RAD51B	XRCC1
AKT1	EPCAM	MET	RAD51C	XRCC2
ALK	ERCC1	MITF	RAD51D	XRCC3
ANKRD26	ERCC2	MLH1	RAD54L	
APC	ERCC3	MLH3	RB1	
AR	ERCC4	MRE11	RECQL4	
ARID1A	ERCC5	MSH2	RET	
ATM	ETV6	MSH3	RHBDF2	
ATR	EXO1	MSH6	RINT1	
ATRX	EXT1	MSR1	RNASEL	
AXIN2	EXT2	MUTYH	RNF43	
	EZH2		RUNX1	
BAP1		NBN		
BARD1	FANCA	NF1	SBDS	
BLM	FANCB	NF2	SDHA	
BMPR1A	FANCC	NRAS	SDHAF2	
BRAF	FANCD2	NSD1	SDHB	
BRCA1	FANCE	NTHL1	SDHC	
BRCA2	FANCF		SDHD	
BRIP1	FANCG	PALB2	SLX4	
BUB1B	FANCI	PALLD	SMAD4	
	FANCL	PAX5	SMARCA4	
CASR	FANCM	PDGFRA	SMARCB1	
CBL	FH	PHOX2B	SMARCE1	
CDC73	FLCN	PIK3CA	SPINK1	
CDH1		PMS1	SPRED1	
CDK12	GALNT12	PMS2	STK11	
CDK4	GATA2	POLD1	SUFU	
CDKN1B	GPC3	POLE		
CDKN1C	GREM1	POLH	TERC	
CDKN2A		POT1	TERF2IP	
CEBPA	HNF1A	PPP2R2A	TERT	
CEP57	HOXB13	PRF1	TGFB1	
CFTR	HRAS	PRKAR1A	TGFBR2	
CHEK1		PRSS1	TMEM127	
CHEK2	KIF1B	PTCH1	TP53	
CTNNA1	KIT	PTEN	TSC1	
CTRC	KRAS		TSC2	
CYLD				
	LZTR1		VHL	
DDB2				
DDX41			WRN	
DICER1			WT1	
DIS3L2				



Revolutionising Care, Personalising Hope Globally

With Precision Oncology, we're not just treating cancer.
We're redefining what's possible in Cancer care.

Together, **We Beat** Cancer



● India ● Nepal ● Philippines ● UAE



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