4baseCare
Together, We Beat Cancer

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.

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

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

Genomic tests for solid tumor cancers. Intended to help identify patients who may benefit from certain treatments. Use doesn't guarantee match to treatment or that all alterations will be found.

Key Genes in Germline+

- ABRAXAS1
- ACD
- AIP
- AKT1
- ALK
- ANKRD26
- APC
- AR
- ARID1A
- ATM
- ATR
- ATRX
- AXIN2

- BAP1
- BARD1
- BLM
- BMPR1A
- BRAF
- BRCA1
- BRCA2
- BRIP1
- BUB1B

- CASR
- CBL
- CDC73
- CDH1
- CDK12
- CDK4
- CDKN1B
- CDKN1C
- CDKN2A
- CEBPA
- CEP57
- CFTR
- CHEK1
- CHEK2
- CTNNA1
- CTRC
- CYLD

- DDB2
- DDX41
- DICER1
- DIS3L2

- EGFR
- ELAC2
- ENG
- EPCAM
- ERCC1
- ERCC2
- ERCC3
- ERCC4
- ERCC5
- ETV6
- EXO1
- EXT1
- EXT2
- EZH2

- FANCA
- FANCB
- FANCC
- FANCD2
- FANCE
- FANCF
- FANCG
- FANCI
- FANCL
- FANCM
- FH
- FLCN

- GALNT12
- GATA2
- GPC3
- GREM1

- HNF1A
- HOXB13
- HRAS

- KIF1B
- KIT
- KRAS

- LZTR1

- MAX
- MC1R
- MEN1
- MET
- MITF
- MLH1
- MLH3
- MRE11
- MSH2
- MSH3
- MSH6
- MSR1
- MUTYH

- NBN
- NF1
- NF2
- NRAS
- NSD1
- NTHL1

- PALB2
- PALLD
- PAX5
- PDGFRA
- PHOX2B
- PIK3CA
- PMS1
- PMS2
- POLD1
- POLE
- POLH
- POT1
- PPP2R2A
- PRF1
- PRKAR1A
- PRSS1
- PTCH1
- PTEN

- RAD50
- RAD51
- RAD51B
- RAD51C
- RAD51D
- RAD54L
- RB1
- RECQL4
- RET
- RHBDF2
- RINT1
- RNASEL
- RNF43
- RUNX1

- SBDS
- SDHA
- SDHAF2
- SDHB
- SDHC
- SDHD
- SLX4
- SMAD4
- SMARCA4
- SMARCB1
- SMARCE1
- SPINK1
- SPRED1
- STK11
- SUFU

- TERC
- TERF2IP
- TERT
- TGFB1
- TGFBR2
- TMEM127
- TP53
- TSC1
- TSC2

- VHL

- WRN
- WT1

- XPA
- XPC
- XRCC1
- XRCC2
- XRCC3

Revolutionising Care, Personalising Hope Globally

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

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