

NOW AVAILABLE TO ORDER
FROM FOUNDATION MEDICINE

Germline Testing

Powered by Fulgent®

Identify genetic variants linked to hereditary cancers and understand the risks for your patients and their families.

Order germline testing with one of Foundation Medicine's comprehensive genomic profiling (CGP) assays to build a more comprehensive molecular profile for your patients to help guide clinical management.

Germline Test Ordering Options



- ▶ Analysis of **50 genes**
- ▶ Includes **high to moderate risk genes** linked to hereditary cancers that have clear actionability based on clinical guidelines



- ▶ Analysis of **154 genes**
- ▶ Includes all actionable genes from FoundationOne Germline, along with **emerging candidate genes** associated with lower or uncertain cancer risks

Additional Features of Germline Testing Ordered From Foundation Medicine



Easy-to-interpret Results: Clear reporting of actionable and relevant variants detected



Ability to Opt-Out of receiving Variants of Unknown Significance findings in clinical report



Complimentary genetic counseling available for qualifying patients



Amended reports are issued for variant re-classifications when available

GENE LISTS & TECHNICAL DETAILS

FoundationOne®Germline

APC	BRCA2*	FH*	MET	NF1	RAD51C*	SDHD	VHL*
ATM*	BRIP1*	FLCN*	MLH1*	NTHL1	RAD51D	SMAD4	
AXIN2	CDH1	GREM1	MLH3	PALB2*	RET*	STK11	
BAP1*	CDKN1B	HOXB13	MSH2	PMS2*	RNF43	TMEM127	
BARD1	CDKN2A	MAX	MSH3	POLD1	SDHA*	TP53	
BMPR1A	CHEK2*	MBD4	MSH6	POLE*	SDHB*	TSC1	
BRCA1*	EPCAM	MEN1	MUTYH	PTEN	SDHC*	TSC2*	

FoundationOne®Germline More

ABRAXAS1	CDK4	EPCAM	FANCM	MLH3	POLE*	SAMD9L	TINF2
AIP	CDKN1B	ERCC1	FH*	MRE11	POLH	SBDS	TMEM127
AKT1	CDKN1C	ERCC2	FLCN*	MSH2*	POT1	SDHA*	TP53
ALK	CDKN2A	ERCC3	GALNT12	MSH3	PRKAR1A	SDHAF2	TRIP13
ANKRD26	CEBPA	ERCC4	GATA2	MSH6*	PRSS1	SDHB*	TSC1
APC	CEP57	ERCC5	GEN1	MUTYH*	PTCH1	SDHC*	TSC2*
ATM*	CHEK2*	EXO1	GPC3	NBN	PTCH2	SDHD	TYR
ATR	CTC1	EXT1	GREM1	NF1	PTEN	SLC45A2	VHL*
AXIN2	CTNNA1	EXT2	HOXB13	NF2	RAD50	SLX4	WRAP53
BAP1*	CTRC	EZH2	HRAS	NHP2	RAD51C*	SMAD4	WRN
BARD1	CYLD	FAN1	IKZF1	NOP10	RAD51D	SMARCA4	WT1
BLM	DDB2	FANCA	KIF1B	NTHL1	RB1	SMARCB1	XPA
BMPR1A	DDX41	FANCB	KIT	PALB2*	RECQL	SMARCE1	XPC
BRCA1*	DICER1	FANCC	LZTR1	PALLD	RECQL4	SPINK1	XRCC2
BRCA2*	DIS3L2	FANCD2	MAX	PAX5	REST	SRP72	
BRIP1*	DKC1	FANCE	MBD4	PDGFRA	RET*	STK11	
BUB1B	EGFR	FANCF	MEN1	PHOX2B	RHBDF2	SUFU	
CASR	EGLN1	FANCG	MET	PIK3CA	RNF43	TERC	
CDC73	ELANE	FANCI	MITF	PMS2*	RPS20	TERT	
CDH1	ENG	FANCL	MLH1*	POLD1	RUNX1	TGFBRI	

*Gene that is included in the Foundation Medicine's Germline Banner on FoundationOne®CDx, FoundationOne®Heme and FoundationOne®Liquid CDx identifying potential germline variants (please see report and technical details for discussion of limitations).

TESTING LOGISTICS



2-3 week TAT on average

ACCEPTABLE SAMPLE TYPES



Peripheral Whole Blood (EDTA) *or* Saliva Swab

ORDERING AND RESULTING



Testing can be ordered through the Foundation Medicine Online Portal



Must be ordered in combination with a CGP assay (and requires separate sample)



Results issued via a separate clinical report via Foundation Medicine Online Portal

TO LEARN MORE, VISIT:

<http://foundationmedicine.com/info/detail/germline-testing>



FoundationOne®Germline and FoundationOne®Germline More are laboratory developed tests that were developed, and their performance characteristics determined by Fulgent Genetics. FoundationOne Germline and FoundationOne Germline More have not been cleared or approved by the U.S. Food and Drug Administration.



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