Hereditary Cancer Reference Guide

Clear guidance for important decisions. Because a test result is only as good as the action it inspires.

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Gene	Test Codes[a] 907263 Comprehensive Hereditary Cancer	907261 Guideline-Based Hereditary Cancer	907262 Hereditary Colorectal Cancer	906369 BRCA Panel	906541 Lynch Syndrome	Associated Cancers[b] Brain/CNS	Breast	Colorectal/GI	Thyroid	PGL/PCC	Endocrine other	Gastric	Melanoma	Ovarian	Pancreatic	Prostate	Renal	Uterine / Endometrial	Other cancers	Non-cancerous findings
APC	✔	✔	✔			●		●[c]	●			●			●				●	●
ATM	✔	✔					●								●					
AXIN2	✔	✔	✔					●[c]												●
BAP1	✔												●				●		●	●
BARD1	✔						●													
BLM	✔						●	●												
BMPR1A	✔	✔	✔					●[c]				●			●					●
BRCA1	✔	✔		✔			●							●	●	●				
BRCA2	✔	✔		✔			●						●	●	●	●				
BRIP1	✔	✔												●						
CDH1	✔	✔	✔				●	●				●								
CDK4	✔	✔											●		○					
CDKN1B	✔										●									●
CDKN2A	✔	✔											●		●					
CHEK2	✔	✔					●	●				●				●				
DICER1	✔								●										●	●
EGFR	✔																		●	
EPCAM	✔	✔	✔		✔	●		●				●		●	●	●	●	●	●	
FANCA	✔															●				
FANCC	✔						●								●					
FANCM	✔						●													
FH	✔									○							●		●	●
FLCN	✔																●			●
GALNT12	✔							●[c]												
GREM1	✔	✔	✔					●[c]												
HOXB13	✔	✔														●				
MAX	✔									●										
MEN1	✔										●									●
MET	✔																●			
MITF	✔												●				●			
MLH1	✔	✔	✔		✔	○		●				●		●	●			●	●	
MRE11A	✔						●													
MSH2	✔	✔	✔		✔	●		●				●		●	●	●	●	●	●	
MSH3	✔	✔	✔					●[c]												
MSH6	✔	✔	✔		✔	○	●	●				●		●	○			●	●	
MUTYH	✔	✔	✔					●[c]												●
NBN	✔	✔					●									○				
NF1	✔	✔				●	●			●										●
NTHL1	✔	✔	✔					●[c]												
PALB2	✔	✔					●								●					
PMS2	✔	✔	✔		✔	○		●				○		○			○	●	○	
POLD1	✔	✔	✔					●[c]										○		
POLE	✔	✔	✔					●[c]												
POT1	✔					●							●							
PTCH1	✔					●													●	●
PTEN	✔	✔	✔				●	●	●				●				●	●		●
RAD50	✔						●													
RAD51C	✔	✔					○							●						
RAD51D	✔	✔					○							●						
RECQL	✔						●													
RET	✔								●	●	●									●
SDHA	✔									●										●
SDHAF2	✔									●										
SDHB	✔									●							●			●
SDHC	✔									●							●			●
SDHD	✔									●							○			○
SMAD4	✔	✔	✔					●[c]				●			●					●
SMARCA4	✔					●								●			●			
STK11	✔	✔	✔				●	●[c]				●			●			●	●	●
SUFU	✔					●													●	●
TMEM127	✔									●										
TP53	✔	✔	✔			●	●	●	●	●	●	●	●	●	●	●	●	●	●	
TSC1	✔					●											●			●
TSC2	✔					●											●			●
VHL	✔					●				●	●						●			●
XRCC2	✔						●													

● Literature supports association ○ Literature suggests possible association

[a] Tests selected based on ordering patterns. See reverse for a complete selection of tests available.

[b] Gene association based on guidelines and internal data.

[c] Colorectal cancer risk with polyposis phenotype.

Call Quest Genomics Client Services* at **1.866.GENE.INFO (1.866.436.3463)** to speak with a genetic counselor.

*Available through one of our parent companies, Quest Diagnostics.

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Hereditary Cancer Test Menu

Sonora Quest Laboratories offers a large test menu, giving the flexibility to select the right test for your patient at the right time.

Test offering	Test code
Comprehensive and Guideline-Based Hereditary Cancer panels	
Comprehensive Hereditary Cancer Panel (66 genes) *APC, ATM, AXIN2, BAP1, BARD1, BLM, BMPR1A, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN1B, CDKN2A, CHEK2, DICER1, EGFR, EPCAM, FANCA, FANCC, FANCM, FH, FLCN, GALNT12, GREM1, HOXB13, MAX, MEN1, MET, MITF, MLH1, MRE11 (MRE11A), MSH2, MSH3, MSH6, MUTYH, NBN, NF1, NTHL1, PALB2, PMS2, POLD1, POLE, POT1, PTCH1, PTEN, RAD50, RAD51C, RAD51D, RECQL, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, SMAD4, SMARCA4, STK11, SUFU, TMEM127, TP53, TSC1, TSC2, VHL, XRCC2*	907263
Guideline-Based Hereditary Cancer Panel (32 genes) *APC, ATM, AXIN2, BMPR1A, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN2A (p16,p14), CHEK2, EPCAM, GREM1, HOXB13, MLH1, MSH2, MSH3, MSH6, MUTYH, NBN, NF1, NTHL1, PALB2, PMS2, POLD1, POLE, PTEN, RAD51C, RAD51D, SMAD4, STK11, TP53*	907261
Cancer-specific panel	
Hereditary Colorectal Cancer Panel (19 genes) *APC, AXIN2, BMPR1A, CDH1, EPCAM, GREM1, MLH1, MSH2, MSH3, MSH6, MUTYH, NTHL1, PMS2, POLD1, POLE, PTEN, SMAD4, STK11, TP53*	907262
Hereditary cancer syndrome tests	
Breast cancer syndrome	
BRCA Panel (BRCA1, BRCA2) *BRCA1, BRCA2*	906369
BRCA Ashkenazi Jewish Screen Common founder variants *BRCA1 c.68_69delAG, BRCA1 c.5266dupC, BRCA2 c.5946delT*	906366
BRCA Ashkenazi Jewish Screen w/Reflex to BRCA Panel (BRCA1, BRCA2) Ashkenazi Jewish screen; if negative reflex to BRCA Panel-*BRCA1* and *BRCA2*	906474
BRCA1 and BRCA2 Deletion and Duplication Detects large deletions/duplications in the *BRCA1* and *BRCA2* genes which are not detectable by DNA sequencing	906367
Lynch syndrome	
Lynch Syndrome Panel (5 genes) *MLH1, MSH2, MSH6, PMS2,* and *EPCAM* (deletion/duplication only)	906541
Other cancer risk	
Hereditary Cancer Single Site(s) *APC, ATM, AXIN2, BAP1, BARD1, BLM, BMPR1A, BRCA1, BRCA2, BRIP1, CDH1, CDK4, CDKN1B, CDKN2A (p16, p14), CHEK2, DICER1, EGFR, EPCAM, FANCA, FANCC, FANCM, FH, FLCN, GALNT12, GREM1, HOXB13, MAX, MEN1, MET, MITF, MLH1, MRE11 (MRE11A), MSH2, MSH3, MSH6, MUTYH, NBN, NF1, NTHL1, PALB2, PMS2, POLD1, POLE, POT1, PTCH1, PTEN, RAD50, RAD51C, RAD51D, RECQL, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, SMAD4, SMARCA4, STK11, SUFU, TMEM127, TP53, TSC1, TSC2, VHL, XRCC2*	907051

Sonora Quest Cancer Testing Solutions:
when you need to know more, you'll find more here

The more you know about your patient's risk of hereditary cancer, the more you can do and the better you can navigate the next steps together. As one of Arizona's largest providers of clinical laboratory testing services, our diagnostic insights reveal new avenues to identify and treat disease, inspire healthy behaviors, and improve healthcare management. Our complete portfolio of hereditary cancer tests, services, and expert analysis helps you understand patient risk, and is just the first step in our approach to patient care.

For more information please contact your Sonora Quest Account Manager or visit SonoraQuest.com

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