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Instructions: For each gene selected, please fill the checkbox for the test to be performed. All panel tests will include both sequencing and deletion duplication analysis unless otherwise specified.

MOLECULAR TESTING
COLE SITE ANALYSIS:

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Note: A copy of the familial result including transcript number and/or positive control are required for this testing. Please contact the lab for a positive control collection kit.

MULTI-GENE PANELS Panels Include Sequencing and Deletion/Duplication Analysis

<input type="checkbox"/> BRCA Ashkenazi Jewish Panel	185delAG, 5385insC, and 6174delT
<input type="checkbox"/> BRCA Panel	BRCA1, BRCA2
<input type="checkbox"/> Breast Cancer Panel	ATM, BARD1, BRCA1, BRCA2, BRIP1, CDH1, CHEK2, PALB2, PTEN, RAD51C, RAD51D, STK11, TP53
<input type="checkbox"/> Ovarian Cancer Panel	ATM, BRCA1, BRCA2, BRIP1, CHEK2, EPCAM (del/dup only), MLH1, MSH2, MSH6, PALB2, PMS2, RAD51C, RAD51D, STK11, TP53
<input type="checkbox"/> Colon Cancer Panel	APC, AXIN2, BMPR1A, CHEK2, EPCAM (del/dup only), GREM1, MLH1, MLH3, MSH2, MSH3, MSH6, MUTYH, NTHL1, PMS2, POLD1, POLE, PTEN, SMAD4, STK11, TP53
<input type="checkbox"/> Lynch Syndrome Panel	EPCAM (del/dup only), MLH1, MSH2, MSH6, PMS2
<input type="checkbox"/> Gastric Cancer Panel	APC, ATM, BMPR1A, CDH1, EPCAM (del/dup only), MLH1, MSH2, MSH6, PMS2, SMAD4, STK11, TP53
<input type="checkbox"/> Pancreatic Cancer Panel	ATM, BRCA1, BRCA2, CDKN2A, EPCAM (del/dup only), MLH1, MSH2, MSH6, PALB2, PALLD, PMS2, STK11, TP53
<input type="checkbox"/> Pancreatitis Panel	CASR, CFTR, CPA1, CTSC, PRSS1, SPINK1
<input type="checkbox"/> Uterine Cancer Panel	EPCAM (del/dup only), MLH1, MSH2, MSH6, PMS2, PTEN, STK11, TP53
<input type="checkbox"/> Juvenile Polyposis Syndrome Panel	BMPR1A, SMAD4
<input type="checkbox"/> Polyposis Syndrome Panel	APC, AXIN2, GREM1, MSH3, MUTYH, NTHL1, POLD1, POLE
<input type="checkbox"/> Prostate Cancer Panel	ATM, BRCA1, BRCA2, CHEK2, EPCAM (del/dup only), HOXB13, MLH1, MSH2, MSH6, NBN, PALB2, PMS2, TP53
<input type="checkbox"/> Renal Cancer Panel	BAP1, EPCAM (del/dup only), FH, FLCN, MET, MLH1, MSH2, MSH6, PMS2, PTEN, SDHA, SDHB, SDHC, SDHD, TP53, TSC1, TSC2, VHL
<input type="checkbox"/> Thyroid Cancer Panel	APC, CHEK2, DICER1, PRKAR1A, PTEN, RET, TP53
<input type="checkbox"/> Melanoma Panel	BAP1, BRCA2, CDK4, CDKN2A, MITF, PALB2, POT1, PTEN, TP53
<input type="checkbox"/> Nervous System/Brain Cancer Panel	AIP, ALK, APC, CDKN1B, CDKN1C, CDKN2A, DICER1, EPCAM (del/dup only), FH, GPC3, HRAS, KIF1B, LZTR1, MAX, MEN1, MLH1, MSH2, MSH6, NBN, NF1, NF2, PHOX2B, PMS2, POT1, PRKAR1A, PTCH1, PTEN, RB1, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, SMARCA4, SMARCB1, SMARCE1, SUFU, TMEM127, TP53, TSC1, TSC2, VHL
<input type="checkbox"/> Hereditary Lung Cancer Panel	EGFR, STK11
<input type="checkbox"/> Familial GIST Tumors Panel	KIT, NF1, PDGFRA, SDHA, SDHAF2, SDHB, SDHC, SDHD
<input type="checkbox"/> Neuroendocrine and Adrenal Tumors Panel	AIP, APC, CDKN1B, EPCAM (del/dup only), MAX, MEN1, MLH1, MSH2, MSH6, NF1, PMS2, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, TMEM127, TP53, TSC1, TSC2
<input type="checkbox"/> Soft Tissue Sarcoma Panel	APC, EPCAM (del/dup only), MLH1, MSH2, MSH6, NF1, PMS2, TP53
<input type="checkbox"/> Pediatric CNS Cancer Panel	EPCAM (del/dup only), MLH1, MSH2, MSH6, NF1, PMS2, TP53

MULTI-GENE PANELS (continued)		Panels Include Sequencing and Deletion/Duplication Analysis
<input type="checkbox"/>	Pheochromocytoma Panel	MAX, RET, SDHA, SDHAF2, SDHB, SDHC, SDHD, TMEM127, VHL
<input type="checkbox"/>	Leukemia / Myelodysplastic / Blood-Related Cancers / Disorders Panel	A2ML1, BRAF, CBL, CEBPA, EGLN1, EPCAM (del/dup only), GATA2, HRAS, KRAS, MAP2K1, MAP2K2, MLH1, MSH2, MSH6, NF1, NRAS, PMS2, PTPN11, RAF1, RASA1, RIT1, RUNX1, SHOC2, SOS1, SOS2, SPRED1, TERC, TERT, TP53

CUSTOM GENE SELECTION			Includes Sequencing and Deletion/Duplication Analysis				(Please specify genes)				
<input type="checkbox"/>	AIP	<input type="checkbox"/>	CFTR	<input type="checkbox"/>	HRAS	<input type="checkbox"/>	NTHL1	<input type="checkbox"/>	REST	<input type="checkbox"/>	TMEM127
<input type="checkbox"/>	ALK	<input type="checkbox"/>	CHEK2	<input type="checkbox"/>	KIF1B	<input type="checkbox"/>	PALB2	<input type="checkbox"/>	RET	<input type="checkbox"/>	TP53
<input type="checkbox"/>	APC	<input type="checkbox"/>	CPA1	<input type="checkbox"/>	KIT	<input type="checkbox"/>	PALLD	<input type="checkbox"/>	RINT1	<input type="checkbox"/>	TSC1
<input type="checkbox"/>	ATM	<input type="checkbox"/>	CTNNA1	<input type="checkbox"/>	LZTR1	<input type="checkbox"/>	PDGFRA	<input type="checkbox"/>	RPS20	<input type="checkbox"/>	TSC2
<input type="checkbox"/>	AXIN2	<input type="checkbox"/>	CTRC	<input type="checkbox"/>	MAX	<input type="checkbox"/>	PHOX2B	<input type="checkbox"/>	RUNX1	<input type="checkbox"/>	VHL
<input type="checkbox"/>	BAP1	<input type="checkbox"/>	DICER1	<input type="checkbox"/>	MEN1	<input type="checkbox"/>	PMS2	<input type="checkbox"/>	SDHA	<input type="checkbox"/>	WT1
<input type="checkbox"/>	BARD1	<input type="checkbox"/>	DIS3L2	<input type="checkbox"/>	MET	<input type="checkbox"/>	POLD1	<input type="checkbox"/>	SDHAF2	<input type="checkbox"/>	XRCC2
<input type="checkbox"/>	BMPR1A	<input type="checkbox"/>	EGFR	<input type="checkbox"/>	MITF	<input type="checkbox"/>	POLE	<input type="checkbox"/>	SDHB		
<input type="checkbox"/>	BRCA1	<input type="checkbox"/>	EGLN1	<input type="checkbox"/>	MLH1	<input type="checkbox"/>	POT1	<input type="checkbox"/>	SDHC		
<input type="checkbox"/>	BRCA2	<input type="checkbox"/>	EPCAM (del/dup only)	<input type="checkbox"/>	MLH3	<input type="checkbox"/>	PRKAR1A	<input type="checkbox"/>	SDHD		
<input type="checkbox"/>	BRIP1	<input type="checkbox"/>	FAM175A	<input type="checkbox"/>	MRE11A	<input type="checkbox"/>	PRSS1	<input type="checkbox"/>	SMAD4		
<input type="checkbox"/>	CASR	<input type="checkbox"/>	FANCC	<input type="checkbox"/>	MSH2	<input type="checkbox"/>	PTCH1	<input type="checkbox"/>	SMARCA4		
<input type="checkbox"/>	CDC73	<input type="checkbox"/>	FH	<input type="checkbox"/>	MSH3	<input type="checkbox"/>	PTEN	<input type="checkbox"/>	SMARCB1		
<input type="checkbox"/>	CDH1	<input type="checkbox"/>	FLCN	<input type="checkbox"/>	MSH6	<input type="checkbox"/>	RAD50	<input type="checkbox"/>	SMARCE1		
<input type="checkbox"/>	CDK4	<input type="checkbox"/>	GALNT12	<input type="checkbox"/>	MUTYH	<input type="checkbox"/>	RAD51C	<input type="checkbox"/>	SPINK1		
<input type="checkbox"/>	CDKN1B	<input type="checkbox"/>	GATA2	<input type="checkbox"/>	NBN	<input type="checkbox"/>	RAD51D	<input type="checkbox"/>	STK11		
<input type="checkbox"/>	CDKN1C	<input type="checkbox"/>	GPC3	<input type="checkbox"/>	NF1	<input type="checkbox"/>	RASA1	<input type="checkbox"/>	SUFU		
<input type="checkbox"/>	CDKN2A	<input type="checkbox"/>	GREM1	<input type="checkbox"/>	NF2	<input type="checkbox"/>	RB1	<input type="checkbox"/>	TERC		
<input type="checkbox"/>	CEBPA	<input type="checkbox"/>	HOXB13	<input type="checkbox"/>	NSD1	<input type="checkbox"/>	RECQL	<input type="checkbox"/>	TERT		

SHIPPING INSTRUCTIONS:
Ship to:

Genetics Center
 North Door, Suite AA
 211 S. Main St.
 Orange, CA 92868