

## Target List

BREAST	BILE DUCT	BLADDER	COLON	LIVER	LUNG	GASTRIC & ESOPHAGEAL
<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>
AKT1	AKT1	ERBB2 (HER2) <sup>#</sup>	APC	CCND1 <sup>#</sup>	ALK <sup>#</sup>	APC
CDH1	BRAF	FGFR2	BRAF	CDKN2A	BRAF	CDH1
ERBB2 (HER2) <sup>#</sup>	CCND1 <sup>#</sup>	FGFR3	ERBB2 (HER2) <sup>#</sup>	CTNNB1	EGFR	CDKN2A
ESR1	CDKN2A	HRAS	FBXW7	ERBB2 H878Y	ERBB2 (HER2) <sup>#</sup>	CTNNB1
GATA3	ERBB2 (HER2) <sup>#</sup>	PIK3CA	JAK1	HNF1A	KRAS	ERBB2 (HER2) <sup>#</sup>
MYC <sup>#</sup>	FGFR2	PTEN	KRAS	JAK1	MET <sup>#</sup>	FBXW7
PIK3CA	FGFR3	TERT promoter	MYC <sup>#</sup>	KRAS	NRAS	JAK1
PTEN	GNAS	TP53 <sup>^</sup>	NRAS	MYC <sup>#</sup>	PIK3CA	KRAS
TP53 <sup>^</sup>	HRAS		PIK3CA	NFE2L2	STK11	NOTCH1
	IDH1		RAF1	NRAS	TP53 <sup>^</sup>	PIK3CA
	IDH2		TP53 <sup>^</sup>	PIK3CA		SMAD4 <sup>^</sup>
	KRAS			PTEN	<b>Fusions</b>	STK11
	MET <sup>#</sup>			TERT promoter	ALK	TP53 <sup>^</sup>
	NRAS			TP53 <sup>^</sup>	RET	
	PIK3CA				ROS1	
	PTEN			<b>Virus</b>		
	SMAD4 <sup>^</sup>			HBV		
	STK11					
	TP53 <sup>^</sup>					
<b>GASTROINTESTINAL STROMAL TUMORS</b>	<b>HEAD &amp; NECK</b>	<b>MELANOMA</b>	<b>MYELOMA</b>	<b>NASOPHARYNGEAL</b>	<b>PANCREAS</b>	<b>PROSTATE</b>
<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>	<b>Genes</b>
BRAF	CDKN2A	BRAF	ABL1	ATM	APC	AR
HRAS	CCND1 <sup>#</sup>	CDKN2A	ATM	CDKN2A	CDKN2A	KRAS
KIT	FBXW7	CTNNB1	BRAF	FBXW7	CTNNB1	MYC <sup>#</sup>
KRAS	HRAS	GNA11	CCND1	MED12	GNAS	PIK3CA
NRAS	NOTCH1	GNAQ	FGFR3	NOTCH1	KRAS	PTEN
PDGFRA	PIK3CA	KIT	FLT3	PIK3CA	MYC <sup>#</sup>	TP53 <sup>^</sup>
TP53 <sup>^</sup>	PTEN	MAPK1 (ERK2)	JAK2	TP53 <sup>^</sup>	SMAD4 <sup>^</sup>	
	TP53 <sup>^</sup>	MAP2K1 (MEK1)	JAK3		TP53 <sup>^</sup>	
		MTOR	KRAS	<b>Virus</b>		
		NRAS	NRAS	EBV		
		PTEN				
		RAF1				
		TERT promoter				
		TP53 <sup>^</sup>				

All LiquidMARK™ tests for the listed subsets above include MSI targets of BAT25, BAT26, NR21, NR24, NR27 and MONO27.

Targeted regions are selected for sequencing to maximize detections of known hotspot mutations. List available on request.

# Includes detection of amplification.

^ Full coverage.

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