NGS Disease Research Panels

ClearSeq Cancer^{HS}

Customizable, focused panel for cancer research

Highlights

- Target COSMIC mutations in 47 genes
- Multiplex 96 samples on 1 MiSeq run
- Compatible with Illumina Desktop Sequencers
- Analyze samples with SureCall
- Easily customizable in SureDesign

Gene List		
ABL1	JAK2	AKT1
JAK3	ALK	KIT
AR	KRAS	ATM
MAP2K1	BRAF	MAP2K4
CDKN2A	MET	CSF1R
NOTCH1	CTNNB1	NPM1
EGFR	NRAS	ERBB2
PDGFRA	ERBB4	PIK3CA
FANCA	PIK3R1	FANCC
PTEN	FANCF	RET
FANCG	RUNX1	FGFR1
SMAD4	FGFR2	SMO
FGFR3	SRC	FLT3
STK11	HRAS	TP53
IDH1	VHL	IDH2
WT1	MAP2K2	

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Summary

The ClearSeq Cancer^{HS} Research Panel enables fast, simple, and efficient analysis of genomic regions of interest for cancer research for a large number of sample types, including FFPE.

The ClearSeq Cancer^{HS} Research Panel delivers unparalleled productivity by enabling enrichment with the highest specificity, sensitivity and consistent read depth.

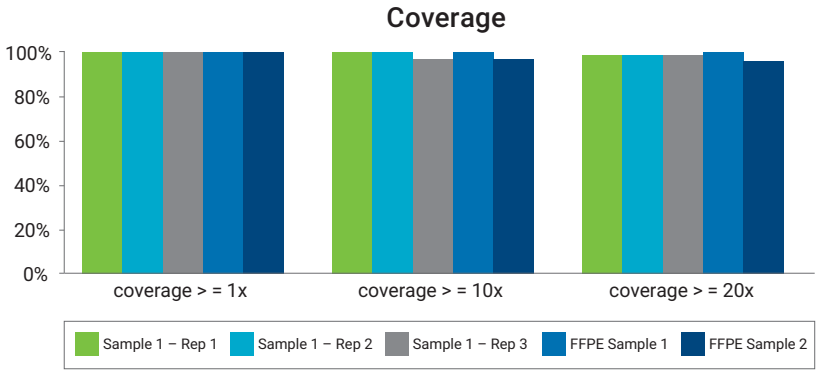

Figure 1. Excellent coverage of targeted cancer regions. Nearly all the reads are covered at 1x, 10x, and 20x.

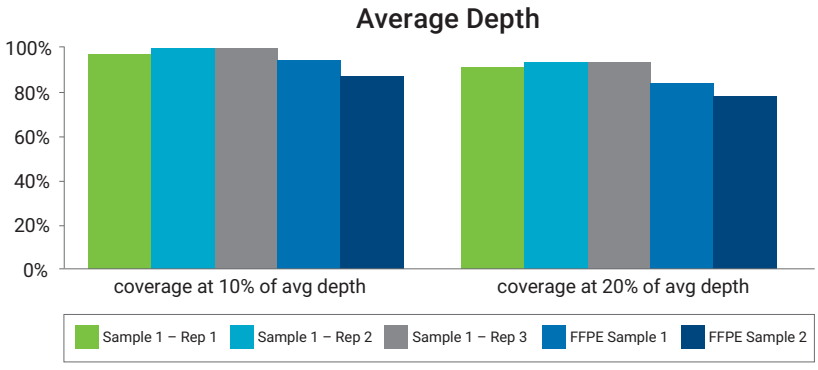

Figure 2. High average depth coverage demonstrating excellent uniformity.

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How to Customize Your ClearSeq Cancer^{HS} Research Panel

Use the ClearSeq Cancer^{HS} Research Panel or start from your own targets to easily create custom designs in SureDesign. Clinical researchers now have an even larger range of design options, backed by the quality and reliability they've come to expect from Agilent Technologies.

– Choose probes from the ClearSeq Cancer^{HS} Research Panel

– Content for panels can easily be customized to add/remove regions

The ClearSeq Cancer^{HS} Research Panel + **Custom Targets** + **10 Minutes** → **Your Cancer Research Panel**

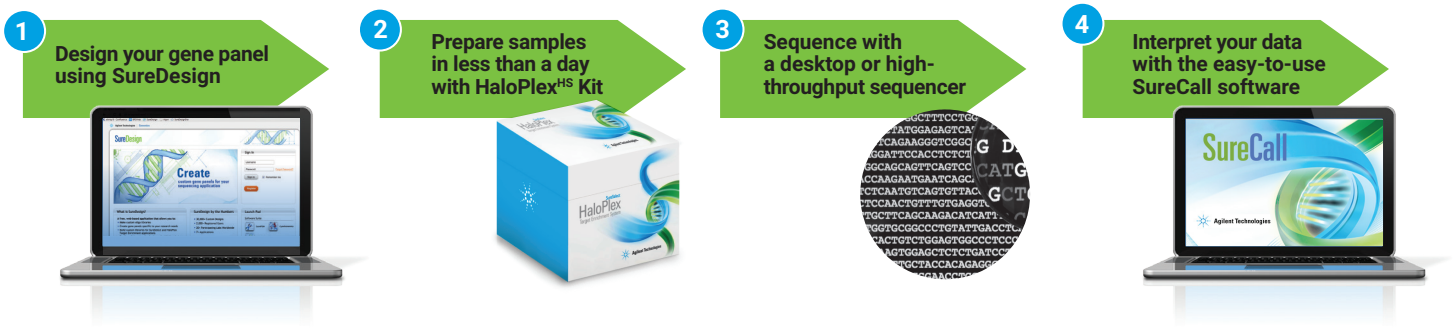
ClearSeq^{HS} Target Enrichment

– Capture up to 5 MB without sacrificing performance

– Scale up to 96 samples in less than a day with Agilent automation

– Excellent coverage for comprehensive mutation detection

– Compatible with the Illumina Platform



Product Description	Part Number
ClearSeq Cancer, HS, ILM, 16 rxn	G9933A
ClearSeq Cancer, HS, ILM, 96 rxn	G9933B

Request more information or buy online:
www.agilent.com/genomics/ngs

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This information is subject to change without notice.

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