

SureSeq myPanel



A Sysmex Group Company

NGS Custom Cancer panels

Features

Hybridisation-based panels delivering unparalleled coverage uniformity

- Detect difficult to sequence, low-frequency variants consistently and with confidence

Pre-optimised content that meets your exact requirements

- No more laborious in-house optimisation, decreasing assay development time

Bespoke panel content

- Create your ideal NGS panel and sequence only what's relevant for your research

Complimentary Interpret NGS data analysis software

- Easy-to-use analysis solution for accurate detection of all variants



Introduction

Discover our NGS panel content and get the most out of your sequencing runs

SureSeq myPanel™ is a regularly updated, expert-curated library of pre-optimised cancer panel content for you to select from. Simply mix and match the gene, exonic or intronic content you need to create an NGS cancer panel that meets your exact requirements. Our unique panel design coupled with hybridisation-based enrichment offers unparalleled coverage completeness and uniformity. This allows the accurate detection of difficult to sequence, low-frequency variants and minimises the requirement for supplementary fill-in with Sanger sequencing.

Getting started with your next SureSeq myPanel NGS Custom Cancer panel could not be simpler



Solid Tumour

SureSeq myPanel — pre-optimised NGS custom panel content is available for research into a wide range of conditions, including:

 <p>Bladder Cancer</p> <p>AKT1 BRAF FGFR3 KRAS PIK3CA RB1 TP53 TSC1</p>	 <p>Breast Cancer</p> <p>APC MSH6 ATM NBN BARD1 PALB2 BRCA1 PIK3CA BRCA2 PTEN BRIP1 RAD51C CDH1 RAD51D CDK12 RB1 CHEK2 SF3B1 EGFR STK11 ERBB2 TP53 ESR1 GATA3</p>	 <p>Colorectal Cancer</p> <p>APC SMAD4 BRAF STK11 CDH1 TP53 CHEK2 CTNNA1 ERBB2 HRAS KRAS MET MSH6 NRAS PIK3CA PTEN</p>	 <p>Glioma</p> <p>ATRX BRAF H3F3 (H3F3A) IDH1 IDH2 PTEN TERT TP53</p>	 <p>Lung Cancer</p> <p>ALK BRAF EGFR ERBB2 (HER2) KRAS MET PIK3CA RET ROS1 STK11 TP53</p>
 <p>Melanoma</p> <p>BRAF KIT NF1 NRAS</p>	 <p>Ovarian Cancer</p> <p>ATM ATR BRCA1 BRCA2 NF1 PTEN TP53</p>	 <p>Prostate Cancer</p> <p>ATM BRCA1 BRCA2 PALB2</p>	 <p>Sarcoma</p> <p>APC ATM ATR BRCA1 BRCA2 ERCC2 KIT PDGFRA SDS (SDH) TP53</p>	

Haematological Cancer



Acute Myeloid Leukaemia

ASXL1 IRF1
 BCOR JAK3
 BCORL1 KIT
 CBLB KMT2A
 CBLC KRAS
 CEBPA NPM1
 CUX1 NRAS
 DDX41 PHF6
 DNMT3A RUNX1
 ETV6 SMC1A
 FLT3 TET2
 GATA1 TP53
 IDH1 U2AF1
 IDH2 WT1
 IKZF1



Chronic Lymphocytic Leukaemia

ATM PTPN11
 BIRC3 RB1
 BRAF RPS15
 BTK SAMHD1
 FBXW7 SF3B1
 IKZF1 TP53
 IRF1 XPO1
 KRAS
 MYD88
 NFKBIE
 NOTCH1
 PIK3CA
 PLCG2
 POT1



Chronic Myeloid Leukaemia

ABL1
 BCR
 CALR
 CSF3R
 CBLB
 CBLC
 ETNK1
 SETBP1
 TP53



Multiple Myeloma

C-MYC
 KRAS
 NRAS
 TP53



Myelodysplastic syndromes (MDS)

ASXL1 KRAS
 BCORL1 NPM1
 CBL NRAS
 CUX1 RUNX1
 DDX41 SF1
 DNMT3A SF3A1
 ETV6 SF3B1
 EZH2 SMC1A
 GATA2 SRSF2
 IDH1 TET2
 IDH2 TP53
 IKZF1 U2AF1
 IRF1 U2AF2 (U2AF65)
 ETNK1
 JAK3 ZRSR2



Myeloid Disorders

ASXL1	DDR2	FLT3	MAP2K2	SETBP1
BCOR	DDX41	GATA1	MPL	SF3B1
BCORL1	DNMT3A	GATA2	MYD88	SH2B3 (LNK)
BRAF	EGLN	GNAS	NF1	SRP72
CALR	EPAS1	GNB1	NFE2	SRSF2
CBL	EP300	HRAS	NOTCH1	STAG2
CEBPA	EPOR	IDH1	NPM1	STAT3
CHEK2	ETNK	IDH2	NRAS	STAT5B
CREBBP	ETV6	IKZF1	PAX5	TERC
CSF3R	EZH2	IRF	PHF6	TERT
CTNNA1	FBXW7	JAK1	POLE	TET2
CUX1	FGFR2	JAK2	PPM1D	TP53
		KIRREL43	PPP1R1A	U2AF1 (U2AF35)
		KIT	PTPN11	VHL
		KMT2A (MLL)	RAD21	WT1
		KMT2C	RAF1	ZRSR2
		KRAS	RNF43	
			RUNX1	



Myeloproliferative neoplasms (MPN) / Myelodysplastic syndromes (MDS) Overlap

ASXL1	EZH2	NRAS	TET2
BCOR	FLT3	PDGFRA	TP53
BCORL1	IDH1	PTPN11	U2AF1
BRAF	IDH2	RUNX1	U2AF2 (U2AF65)
CALR	IKZF1	SETBP1	ZRSR2
CBL	IRF1	SF1	
CSF3R	JAK2	SF3A1	
CUX1	JAK3	SF3B1	
DDX41	KIT	SH2B3 (LNK)	
DNMT3A	KRAS	SMC1A	
ETNK1	MPL	SRSF2	
ETV6	NF1		

Ordering information

Product	Contents	Cat. No.
SureSeq myPanel NGS Custom Cancer Panels	Enrichment baits; Interpret Software	various
SureSeq NGS Library Preparation Complete Solution (16)	Bundle of 1x SureSeq NGS Library Preparation Kit (16), containing adaptors, PCR primers and enzymes, 1x SureSeq NGS Index Kit – Collection A, 1x SureSeq NGS Hyb & Wash Kit (16), 1x Dynabeads M270 Streptavidin (2ml) and 1x AMPure XP beads (10ml). Sufficient for 16 samples	500084
SureSeq NGS Library Preparation Complete Solution (48)	Bundle of 1x SureSeq NGS Library Preparation Kit (48), containing adaptors, PCR primers and enzymes, 1x SureSeq NGS Index Kit – Collection B, 3x SureSeq NGS Hyb & Wash Kit (16), 3x Dynabeads M270 Streptavidin (2ml) and 3x AMPure XP beads (10ml). Sufficient for 48 samples	500085

Put our expertise to work for you.

Go to www.ogt.com/ngs_products to find out more about SureSeq™ NGS Custom Cancer Panels, library preparation kits, reagents and Interpret, our complimentary, easy-to-use next generation sequencing analysis solution.

Ordering information

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**What binds us,
makes us.**

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