

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:




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	ZRSR2
JAK3	



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
Universal NGS Workflow Solution V2 (24)	Bundle of 1 x Universal Library Preparation Kit (24) containing PCR primers and enzymes, 1 x Universal Hybridisation & Wash Kit V2 (24). Pre-PCR Universal Bead Kit (24). Post-PCR Universal Bead Kit (24). 1 x Universal Index Adapter Kit (24)	770510-24
Universal NGS Workflow Solution V2 (96)	Bundle of 1 x Universal Library Preparation Kit (96) containing PCR primers and enzymes, 1 x Universal Hybridisation & Wash Kit V2 (96). Pre-PCR Universal Bead Kit (96). Post-PCR Universal Bead Kit (96). 1 x Universal Index Adapter Kit (96)	770510-96

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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