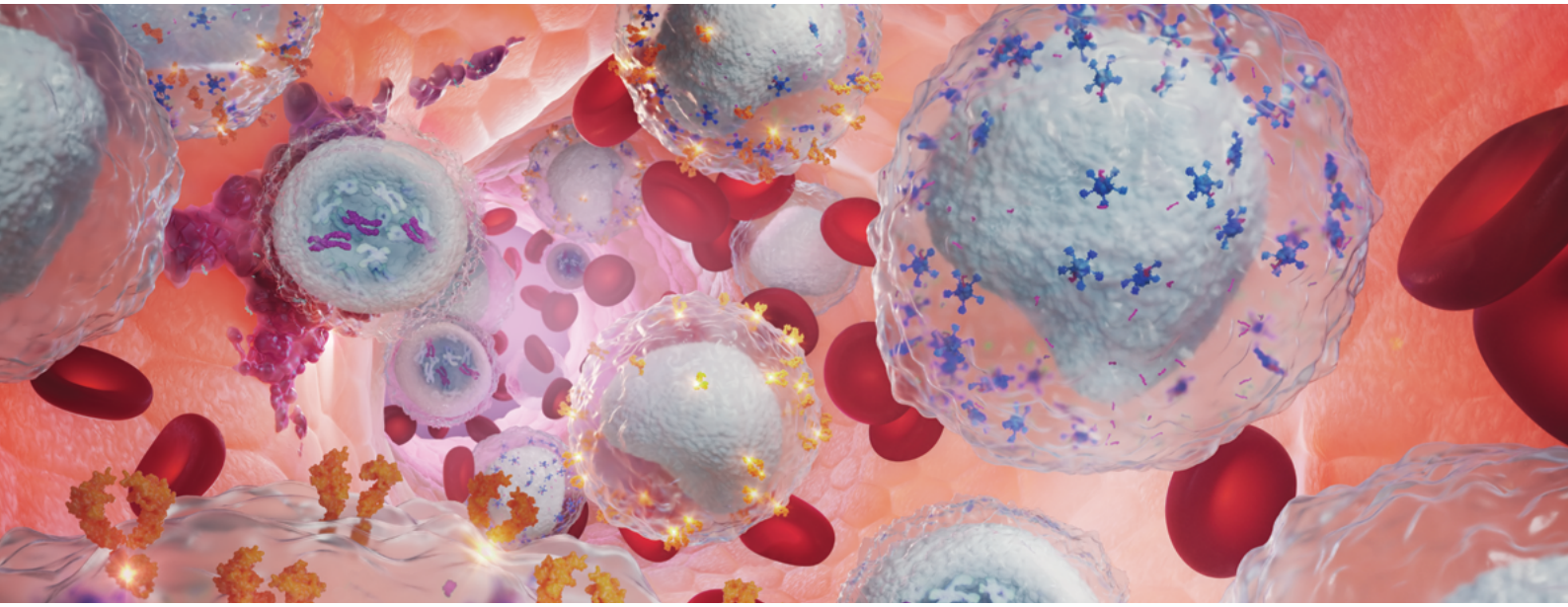
sysmex | Together for a better healthcare journey

Haematological malignancies in focus

SureSeq™ NGS solutions



An expanding portfolio of NGS panels for research into haematological malignancies, as well as library preparation kits and NGS analysis software for the accurate detection of a wide range of genetic aberrations.

SureSeq™ NGS panels have been designed in collaboration with recognised cancer experts to ensure the most relevant gene content. By leveraging expertise in hybridisation-based enrichment, SureSeq™ offers unparalleled coverage completeness and uniformity in key biomarkers such as *NPM1*, *CEBPA* and *FLT3*-ITDs.

Enhanced detection of complex variants
SNVs, Indels, ITDs, PTDs, CNVs, LOH and translocations. VAF down to a possible 0.01%.

Universal NGS Workflow Solution V2
A simplified reagent system optimised for high-performance and reduced hands-on time.

SureSeq

Seamless customisation
Choose from over 1000 pre-optimised genomic targets to tailor your SureSeq myPanel.

Interpret NGS Analysis Software
Complimentary* use to our highly configurable and powerful software. Locally installed or on the cloud.

* subject to fair use

Track your myeloid sample from characterisation to monitoring

SureSeq™ Core MPN (+ BRC-ABL) Panel

- **Core content:** *CALR, JAK2, MPL*. Customise by adding *BCR::ABL* translocation
- **1-day sample-to-sequencer:** streamlined library preparation and 30-minute hybridisation

SureSeq™ Myeloid Plus Panel

Mid-size content: detect SNVs and indels in 49 genes implicated in myeloid malignancies down to 2.5% VAF (including robust detection of *FLT3*-ITDs and *KMT2A*-PTDs), together with 44 SNPs as ID markers and 4 sex chromosome genes

SureSeq™ Pan-Myeloid Panel

Comprehensive content: confidently detect low-frequency SNVs and indels down to 1% VAF in 70 genes implicated in myeloid malignancies, including robust detection of *FLT3*-ITDs and *KMT2A*-PTDs

SureSeq™ Myeloid Fusion Panel

- **RNA-based, following the latest WHO guidelines:** detect 30 common myeloid fusions
- **Partner gene-agnostic panel:** discover novel fusion partners in a single cost-efficient assay, including *KMT2A* and *MECOM*

SureSeq™ Myeloid MRD Plus Panel

- **Ultra-high sensitivity:** confidently detect ultra-low frequency variants as low as 0.01% VAF, including key targets like *NPM1*
- **Guideline-driven gene content:** interrogate 16 key AML-associated genes including longer, ultra-low frequency *FLT3*-ITDs over 300bp long, for the clearest picture of MRD status in AML samples – including MDS and MPN implicated genes

Gain deeper insights into CLL progression

SureSeq™ CLL + CNV V3 Panel

- **Latest evidence-based content:** extended gene coverage for *TP53*, *BTK* and *PLCG2*, plus inclusion of *BCL2* and *NRAS*
- **Outstanding uniformity and depth of coverage:** low frequency SNVs and indels down to 1–2.5% VAF in 16 genes
- **Superior somatic CNV calling:** in the 5 most common regions down to 20% tumour content

The complete solution

Universal NGS Workflow Solution V2

- **Streamlined workflow:** enzymatic fragmentation, end repair and A-tailing in one-step. Use the same workflow across all our panels
- **Unique Dual Index (UDI)/Unique Molecular Index (UMI):** increasing multiplexing efficiency and confidence
- **Complete solution:** simplified system including all necessary reagents, without the need for expensive supporting hardware

Interpret NGS Analysis Software

- **Detection of a wide range of aberrations:** reliably call variants ranging from low-frequency SNVs and indels to large structural deletions including CNVs and translocations, including longitudinal monitoring
- **Extensive customisation and filtering options:** easily customise variant and batch reports and database links to meet your analytical criteria
- **On-cloud or on-prem:** flexible options of software usage with local installation or on cloud

SureSeq™: For Research Use Only; Not for Use in Diagnostic Procedures.

Distributor EMEA: Sysmex Europe SE · www.sysmex-europe.com
Manufacturer SureSeq™: OGT · www.ogt.com
You will find your local Sysmex representative's address under www.sysmex-europe.com/contacts

EN.C.06/26