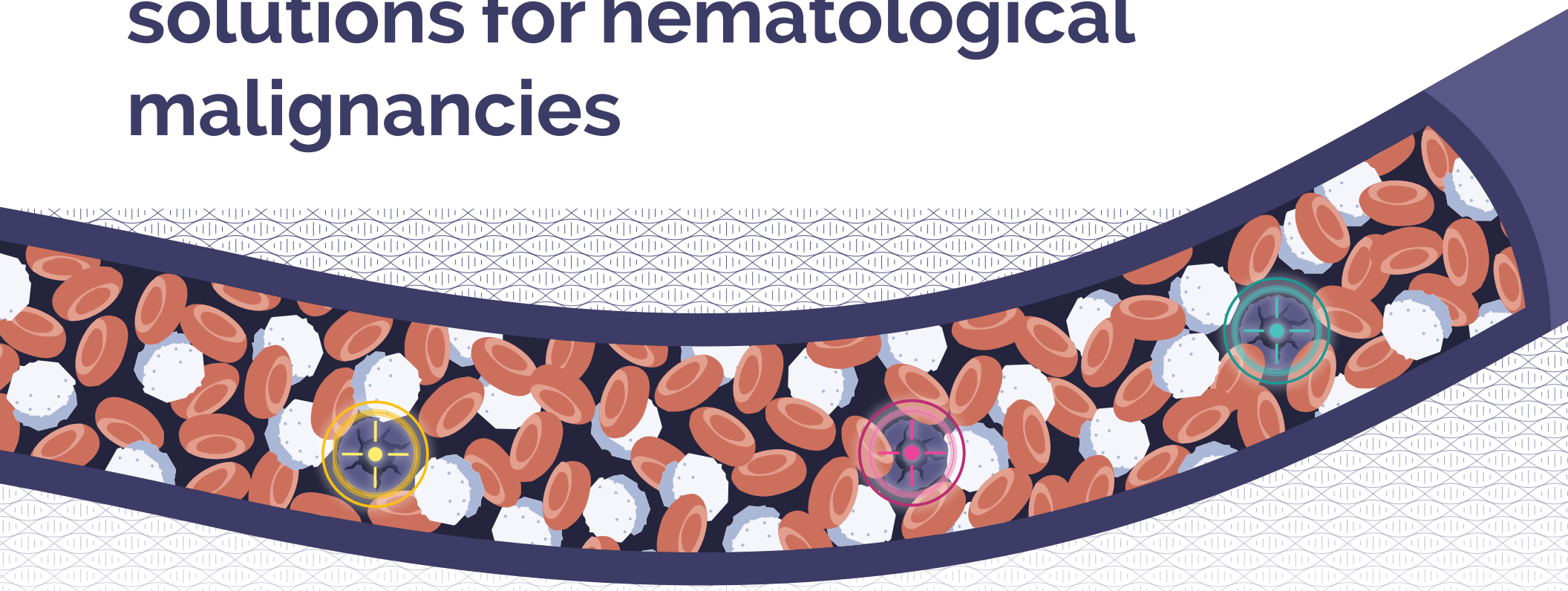
A Sysmex Group Company

Precision genomic solutions for hematological malignancies



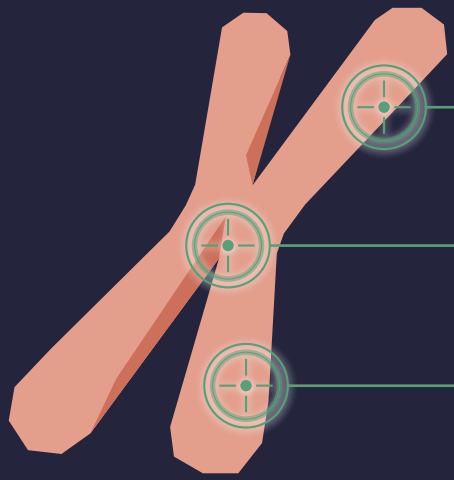
Partner with OGT and access our unique expertise in the design, customization and implementation of an expansive range of **FISH**, **Array** and **NGS** solutions.

Together, we'll ensure your lab has the specific genomic solutions it needs to tackle the complexity of hematological malignancy research and diagnosis.

OGT: Who we are

Pioneers in the development of genomic hybridization-based solutions for hematological malignancies, solid tumors, cytogenetics and rare diseases. Our trusted range of products deliver the insights clinical and research laboratories need, every time

Founded in 1995, OGT is a leading global provider of diagnostic genomic solutions who understands the challenges facing our partners in clinical and research laboratories around the globe.



>1,300 customer partnerships

>350 **FISH, Array and NGS** products developed

>85 countries where our products are used

OGT is backed by Sysmex®, the world's largest hematology diagnostics provider, and together we deliver excellence in hematology to enhance your capabilities.

Our decades of unique genomic and clinical experience allow us to face these challenges head-on and deliver innovative solutions. These innovations range from successfully completing the world's largest copy number variation study using microarrays through to deploying our regulatory expertise to develop the world's first IVDR-approved FISH probes, so diagnostic laboratories can future-proof their workflows against changing regulations.

Our solutions

CytoCell

World-leading FISH solutions

A comprehensive range of over 300 analytically and clinically validated FISH probes, including FDA-cleared, IVDR-certified probes for hematological malignancies, supported by our unmatched FISH probe customization service, myProbes

SureSeq

Innovative NGS Technology

Experience a superior hybridization-based approach with off-the-shelf and custom NGS solutions optimized for the enhanced detection of complex structural variants and CNVs. Informed by our unique genomics expertise, our NGS technology provides your lab with a highly flexible approach for disease classification and profiling

CytoSure

Uncompromising quality in Arrays

Bring decades of OGT's clinical diagnostic experience to your lab with our customizable array portfolio, offering high-quality, high-throughput solutions for your work in cytogenetics, oncology, and constitutional/hereditary genetics

Precision Medicine Partnering

End-to-end companion diagnostic expertise

Accelerate your clinical trial assay and companion diagnostic development programs in hematological malignancies by partnering with OGT's precision medicine team. Access the agility and focus of our specialist team who drive the scalability, commitment to quality and commercial excellence you expect from being a part of the world's largest hematology diagnostics company

Superior hybrid capture technology that excels in the detection of complex structural variants and eliminates inaccurate calls caused by alternative PCR-based approaches

Key benefits

Unlock more comprehensive genomic profiling of your samples our highly sensitive bait designs effortlessly achieve high coverage uniformity minimizing the risk of missing low-frequency variants

Reduce assay times and speed up your lab's sample-to-result process with our streamlined workflow for faster sample insights

Experience our quality-driven customization service to tailor our panels to your specific targets of interest, so you can ensure maximal efficiency for your data generation

Unparalleled genomic interpretation and variant report generation

Our complimentary analysis software, Interpret, delivers an 'out of the box' bioinformatic analysis pipeline to relieve your labs bioinformatics burden, including a full suite of tools for:

- Sample and batch QC
- Variant calling
- Result visualization
- Variant filtering
- Hotspot monitoring

Our comprehensive solution for NGS data interpretation balances the transparency you need to support quality and compliance with the customization options you need to meet your bespoke analysis requirements.

Enhance your analysis with Tertiary reporting

Our partnership with **Intelliseq**, a leading bioinformatics provider devoted to furthering our interpretation of the human genome, brings you the innovation and expertise your research demands.

By integrating information from renowned databases, including ClinVar and COSMIC, with Intelliseq's proprietary variant classification algorithm, you can automate your whole tertiary analysis process. Rapidly generated insights ensure you're aware of the most critical findings, transforming your genomic data into actionable insights.

→ Visit **ogt.com/AMP-SureSeq** for more information

The SureSeq range includes:

Product	Targets	Product code
SureSeq Myeloid Fusion Panel	30 common fusions (+ partner-agnostic detection)	890001-24 (24 samples) | 890001-96 (96 samples)
SureSeq Myeloid MRD Panel **Coming soon**	13 genes (45 hotspot exons)	780126-48 (48 samples)
SureSeq Pan-Myeloid Panel	70 genes (+ 4 gender marker genes)	770003-24 (24 samples) | 770003-96 (96 samples)
SureSeq CLL + CNV Panel	12 genes	770004-24 (24 samples) | 770004-96 (96 samples)
SureSeq CLL + CNV V3 Panel **Coming soon**	16 genes	780104-24 (24 samples) | 78104-96 (96 samples)
SureSeq Core MPN Panel	3 genes (Optional: *BCR::ABL* detection)	780101-24 (24 samples) | 780101-96 (96 samples)
SureSeq Myeloid Plus Workflow	49 genes (+ 4 gender marker genes)	770002-24 (24 samples) | 770002-96 (96 samples)
SureSeq myPanel Custom Cancer Panel	>210 genes available	Please ask a member of our team

High quality, reliable and easy-to-use FISH probes

Key benefits

A truly comprehensive range of over 500 probes available ensures superior accuracy and confidence in results, backed by rigorous in-house design and driven by our commitment to quality

Unmatched flexibility and customization from small adjustments through to entire new probes, our customization service assures your labs specific needs are met

Rapid on-site and digital support from technical and clinical specialists who know firsthand the needs of fast-paced, quality-driven pathology labs

Proven results with FDA-cleared FISH probes for AML and MDS!

Our safe and effective FDA-cleared probes for the detection of common chromosomal rearrangements reported in AML and MDS help reduce the validation burden for your laboratory.

Why use CytoCell?

- → Our detailed protocol and analysis guidelines ensure optimal FISH testing for your lab
- → With probes optimized for easy scoring you can stop struggling with weak FISH signals
- → Easy-to-use, pre-mixed probes reduce time on workflow set-up and eliminate mixing errors

Researching a novel biomarker or just need an adjustment to an existing CytoCell FISH probe? Try our custom myProbes service

Our myProbes customization service delivers high quality, fully quality-assured custom FISH probes for virtually any sequence in the entire human genome. All you need to do is select the gene of interest and specify the application, format, and probe color.

Once we have your probe design our team of in-house experts will assess your design, choosing the best clones from our proprietary BAC clone collection of >220,000 clones. Next, our ISO-certified manufacturing processes guarantee that your new probes are made to the highest standards so you can be confident you'll receive probes you can depend on.

We've delivered over 5,000 custom myProbes – trust in our experience for your next project!

→ Visit **ogt.com/AMP-CytoCell** for more information

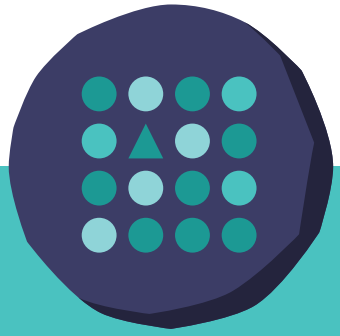
Discover our FISH probes for AML and MDS:

Probe	Regions	Fluorophores	Product code
P53 (TP53) Deletion	17p13; 17p11.1-q11.1	Red; Green	USA-LPH 017
EVI1 (MECOM) Breakapart	3q26.2	Red; Green; Aqua	USA-LPH 036
AML1/ETO (RUNX1/RUNX1T1) Translocation, Dual Fusion	8q21.3; 21q22.1	Red; Green	USA-LPH 026
MLL (KMT2A) Breakapart	11q23.3	Red; Green	USA-LPH 013
CBFß (CBFB)/MYH11 Translocation, Dual Fusion	16q22; 16p13.1	Red; Green	USA-LPH 022
Del(5q) Deletion	5q31.2; 5p15.3	Red; Green	USA-LPH 024
Del(7q) Deletion	7q22; 7q31.2	Red; Green	USA-LPH 025
Del(20q) Deletion	20q12; 20q13.1	Red; Green	USA-LPH 020

Expertly designed arrays, engineered to provide high sensitivity

Key benefits

Expertly designed products, crafted with input from clinical scientists for robust calling of clinically-relevant CNVs, SNVs and indels



Unmatched customization capabilities for cutting-edge results allowing you to tailor our arrays to include bespoke biomarker content

Unlock insights down to single-exon level leveraging our decades of technology experience expertly employed in array development

Every solution is supported to help your lab excel backed by an expert team of responsive Field Application Specialists

A suite of high-quality, high-throughput arrays tailored for cytogenetics, oncology and rare disease genomics research.

Since its inception nearly 30 years ago, OGT has been at the forefront of innovation in array technology. Our CytoSure products have been developed in collaboration with leading experts in cancer and rare disease research to make a broad range of analyses possible. Our highly-sensitive arrays make sure you maintain the highest possible standards in your array analyses.

CytoSure arrays deliver technically superior performance through comprehensive coverage of clinically relevant genes combined with single-exon resolution for a wide range of disease phenotypes, including:

Visit **ogt.com/AMP-CytoSure** for more information

Product	Aberration types	Gene targets (resolution)	Product code
Cancer + SNP Arrays	CNVs & LOH	18 genes (exon level) and 1500 genes (whole gene) + LOH (20Mb)	020070 | 020071 | 700090
Hereditary Cancer Research Array	CNVs	228 genes (exon level)	700115
Custom Designed aCGH Arrays	/	Whole genome	020018

Accelerate your clinical trial assay and companion diagnostic development programs

Unlock industry leading expertise in diagnostic development and regulation

With OGT, in partnership with Sysmex, you gain access to over 20 sites globally that specialize in R&D, regulatory affairs and clinical development so we have you covered at every stage of diagnostic development.

How we support you:

- Assay design and development
- Biomarker identification
- Clinical validation and utility studies
- Implementation of biomarker testing in clinical trials
- Biomarker validation
- Diagnostic commercialization and reimbursement
- Development of biomarker test into *in vitro* diagnostic and companion diagnostic

Our team is built with industry leaders in the development and regulation of hematological malignancy diagnostics

We understand the challenges facing our partners in the field of hematology, and through decades of experience we are ready to face them head-on.

With over a century of combined specialist clinical and regulatory expertise in hematology and a team of experts in analytical and clinical studies required for IVDR-certification, FDA-clearance and companion diagnostic approvals we ensure the seamless design and implementation you need.

Visit **ogt.com/AMP-CDx** for more information

Contact us

Start your journey with OGT today

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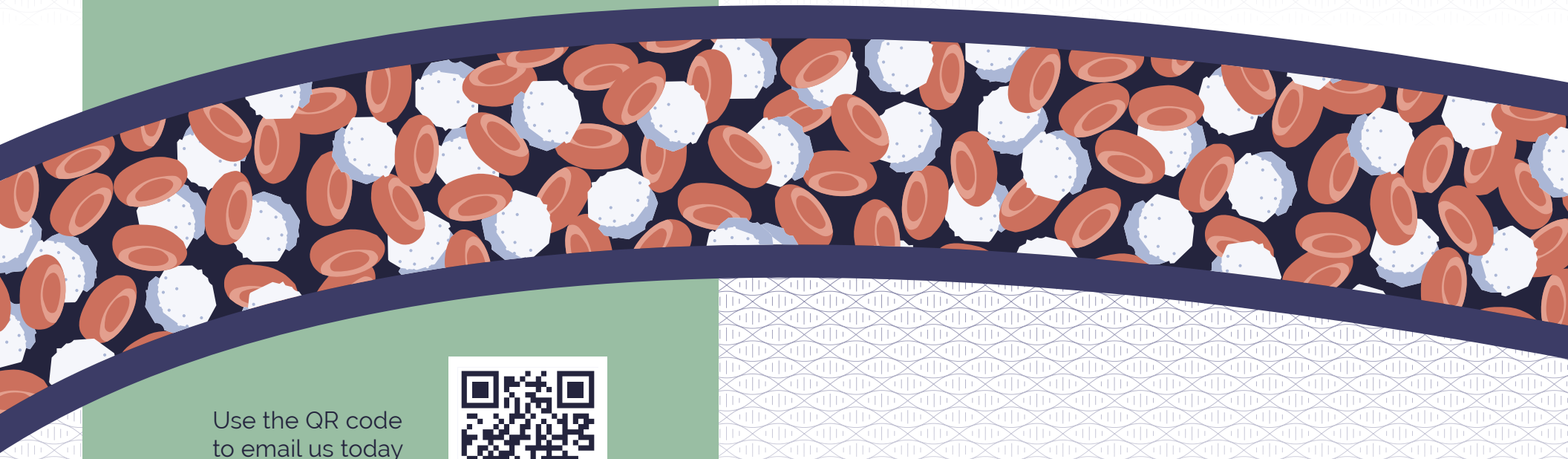

Use the QR code
to email us today

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What binds us, makes us.