uncoded
DNA & BEYOND

Decode Myeloid Mutations with Precision

Myeloid Profiler RNA Panel

RUO

Comprehensive Myeloid Fusion Profiling

Because Every Variant Matters

Myeloid Profiler – RNA

The Myeloid Profiler RNA Panel by Uncoded is a robust, research-grade tool designed to **detect 52 fusion genes** and **over 600 fusion variants** associated with myeloid cancers, including Acute Myeloid Leukemia (AML), Chronic Myeloid Leukemia (CML), and Myelodysplastic Syndromes (MDS). Utilizing advanced RNA-based target enrichment technology, this panel enables efficient and accurate detection of gene fusions - key drivers in the development and progression of myeloid malignancies.

By delivering comprehensive genomic insights, the panel supports in-depth exploration of fusion events, aiding in the discovery of biomarkers, understanding disease mechanisms, and evaluating potential therapeutic targets. Its expansive coverage of fusion variants ensures that even rare and complex rearrangements can be identified, making it an essential resource for researchers aiming to advance the field of hematologic oncology.

With its high sensitivity and specificity, Myeloid Profiler RNA Panel helps connects genomic data to meaningful biological interpretation - fueling innovations in cancer genomics, translational studies, and precision research.

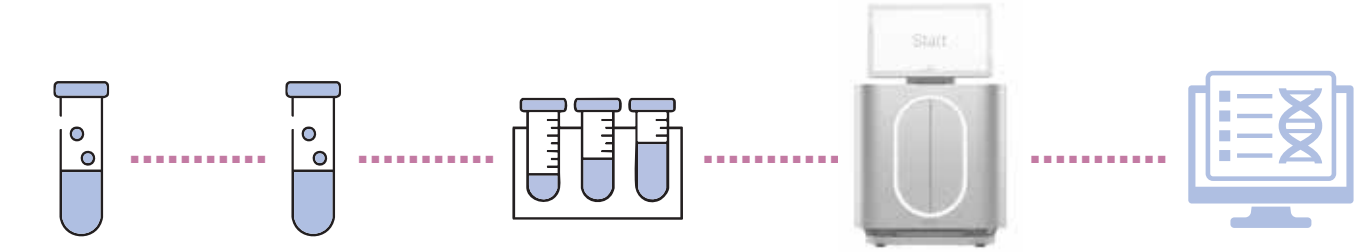
Fusion Genes					
*ABL1**	*CRLF2*	*JAK2*	*NUP214*	*RARA**	*ZNF362*
ABL2	*CSF1R*	*KMT2A*	*NUP98*	*RBM15*	*ZNF384*
ALK	*DUSP22*	*MECOM*	*NUTM1*	*RUNX1**	
BCL11B	*EBF1*	*MEF2D*	*PAX5*	*RUNX1T1**	
BCL2	*EPOR*	*MLF1*	*PDGFRA*	*STIL*	
BCL6	*ERG*	*MLLT10*	*PDGFRB*	*TAL1*	
*BCR**	*ETV6**	*MYC*	*PICALM*	*TCF3*	
BIRC3	*FGFR1*	*MYH11**	*PML**	*TP63*	
*CBFB**	*FLT3*	*MRTFA*	*PTK2B*	*TYK2*	
CREBBP	*GLIS2*	*NTRK3**	*PRDM16*	*UBTF*	

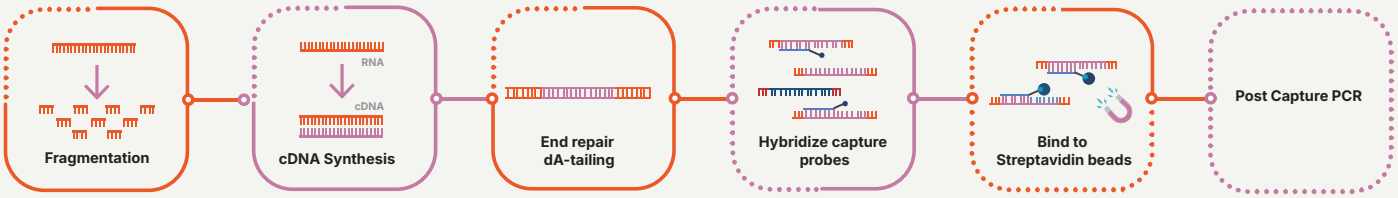
*Key fusion pairs - *BCR::ABL1, RUNX1::RUNX1T1, ETV6::NTRK3, CBFB::MYH11, and PML::RARA.*

Kit Specifications

- Compatible with Total RNA (50 - 1000 ng)
- Detects all known Fusions
- Includes built-in cDNA synthesis reagents for a streamlined workflow
- Detect more than 600 fusion variants

Workflow





Data Anaysis Platform

Powered by SeqSight™ – Precision Insights for Myeloid Genomics

SeqSight™ is a cloud-based NGS data analysis software by Uncoded designed to support comprehensive interpretation of myeloid sequencing data. It enables automated variant calling, annotation, and classification, helping researchers streamline data workflows and uncover key genomic alterations. The platform supports multiple input formats and delivers high-throughput, reproducible analysis across myeloid gene panels.

- AI-Powered Interpretation
- Real-Time Dashboards
- Seamless LIMS Integration
- Built-in compliance (HIPAA & GDPR) FDA & NCCN guideline integration

Key Advantages

Streamlined NGS Library Preparation

Simplifies and accelerates the sequencing workflow, reducing time and effort

Highly Sensitive and Reliable Chemistry

Ensures precise, accurate genomic analysis.

Cost Effective Solution

Reduces costs by optimizing reagents and simplifying procedures

Analysis Support

End-to-end expert assistance from library preparation to analysis

RNA Performance	
Panel Size	192kb
Targets covered at minimum 1000×	>95%
On Target	>85%
Fold 80	<1.4
Sample type	Blood, Bone marrow

Ordering Information

Cat. No.	Product Name	Reactions
10123	Myeloid Profiler – RNA	24
10134	Myeloid Panel – (DNA + RNA)	24

DECODING MULTI-OMICS WITH
UNCODED BY PREMAS LIFE SCIENCES

At the intersection of science and innovation stands **Uncoded** – an in-house brand by **Premas Life Sciences**, created to democratize access to high-quality multi-omics solutions, Made in India, for the world.

With over 18 years of legacy and 900+ years of cumulative team expertise, Premas Life Sciences has long been a trusted name in enabling genomics, proteomics, cell biology, biopharma, agriculture, and healthcare breakthroughs in India. Uncoded is the natural evolution of this mission—crafted to empower every lab, every clinician, every researcher with tools that are reliable, cost-effective, and future-ready.

Uncoded is not just a product line it's a movement. A Make in India initiative to advance life sciences through high-quality, globally aligned NGS tools and multi-omics platforms made by scientists, for scientists.

WHAT WE STAND FOR

- Empowering Scientific Discovery
- Bridging Accessibility
- Customizable Workflows
- Enabling Faster Turnaround Times
- Delivering High-Performance Kits
- Comprehensive Customer Support

Uncoded is more than a product line. It is a movement - **driven by purpose, powered by science**.

OUR PARENT LEGACY – PREMAS LIFE SCIENCES

Founded in **2005, Premas Life Sciences Pvt.** Ltd. has been at the forefront of bringing cutting-edge technologies to India, empowering scientists, clinicians, and researchers with world-class solutions. Founded by passionate scientists and industry experts, we embarked on a mission to bridge the gap between technology and innovation. Today, we proudly stand as a trusted partner in advancing scientific discovery and translational research in India.

At Premas Life Sciences, we partner with the world's most innovative technology providers to equip Indian researchers with the latest advancements in genomics, proteomics, and multi-omics. Our collaborations with **Illumina**, **Twist Bioscience**, **Olink**, **Covaris**, **Cytek**, **Horiba**, **Sphere Bio** and **Bruker Spatial Biology** ensure that cutting-edge tools are accessible to the Indian scientific community.

R&D & MANUFACTURING FACILITY

E-48/3, First Floor Okhla Phase II,
New Delhi – 110020, India

uncoded@premaslifesciences.com