ion torrent

Oncomine Myeloid Assay GX v2

More rapid. More automated. More complete myeloid genomic profiling.

Automated end-to-end workflow

Sample type

- ✓ Whole blood
- ✓ Peripheral blood leukocytes
- ✓ Bone marrow

Ion Torrent™ Genexus™ System

- ✓ Automated end-to-end workflow, including extraction, quantification, library preparation, sequencing, variant calling, and reporting*

Ion Torrent™ Oncomine™ Reporter

- ✓ Annotated variant report with biomarkers linked to relevant evidence from public data sources

Key features include:

Rapid turnaround
Results in about **1 day** to help provide answers fast

Comprehensive panel of biomarkers
DNA mutations and RNA fusion transcripts with one assay

Highly automated
Approximately 20 minutes of hands-on time; minimal user intervention

Ability to detect a range of targets
SNVs, indels, tandem duplications, fusions

Integrated reporting
Fully annotated variant report

Flexible batching
Sequence 1–8 samples at once

Simultaneously study DNA mutations and RNA fusion transcripts covering all major myeloid disorders:

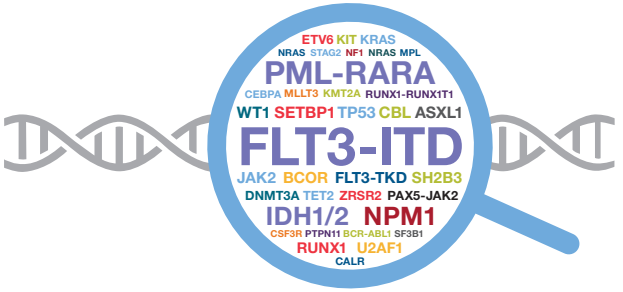
AML, MPN, MDS, CMML, and JMML

DNA

Hotspot genes (28)			Full genes (17)	
ANKRD26	*IDH1*	*PPM1D*	*ASXL1*	*RB1*
ABL1	*IDH2*	*PTPN11*	*BCOR*	*RUNX1*
BRAF	*JAK2*	*SMC1A*	*CALR*	*SH2B3*
CBL	*KIT*	*SMC3*	*CEBPA*	*STAG2*
CSF3R	*KRAS*	*SETBP1*	*ETV6*	*TET2*
DDX41	*MPL*	*SF3B1*	*EZH2*	*TP53*
DNMT3A	*MYD88*	*SRSF2*	*IKZF1*	*ZRSR*
FLT3 (ITD, TKD)	*NPM1*	*U2AF1*	*NF1*	
GATA2	*NRAS*	*WT1*	*PHF6*	
HRAS			*PRPF8*	

RNA

Fusion driver genes (30)			Expression genes (5)	Expression control genes (5)
ABL1	*HMGA2*	*NUP98*	*BAALC*	*EIF2B1*
ALK	*JAK2*	*NUP214*	*MECOM*	*FBXW2*
BCL2	*KMT2A*	*PDGFRA*	*MYC*	*PSMB2*
BRAF	*(MLL PDTs)*	*PDGFRB*	*SMC1A*	*PUM1*
CCND1	*MECOM*	*RARA*	*WT1*	*TRIM27*
CREBBP	*MET*	*RBM15*		
EGFR	*MLLT10*	*RUNX1*		
ETV6	*MLLT3*	*TCF3*		
FGFR1	*MYBL1*	*TFE3*		
FGFR2	*MYH11*			
FUS	*NTRK3*			



*The automated end-to-end workflow for RNA samples will be available once the Total RNA Purification Kits are available in approximately early 2022. The content provided herein may relate to products or workflows that have not been officially released or fully validated and is subject to change without notice.

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