

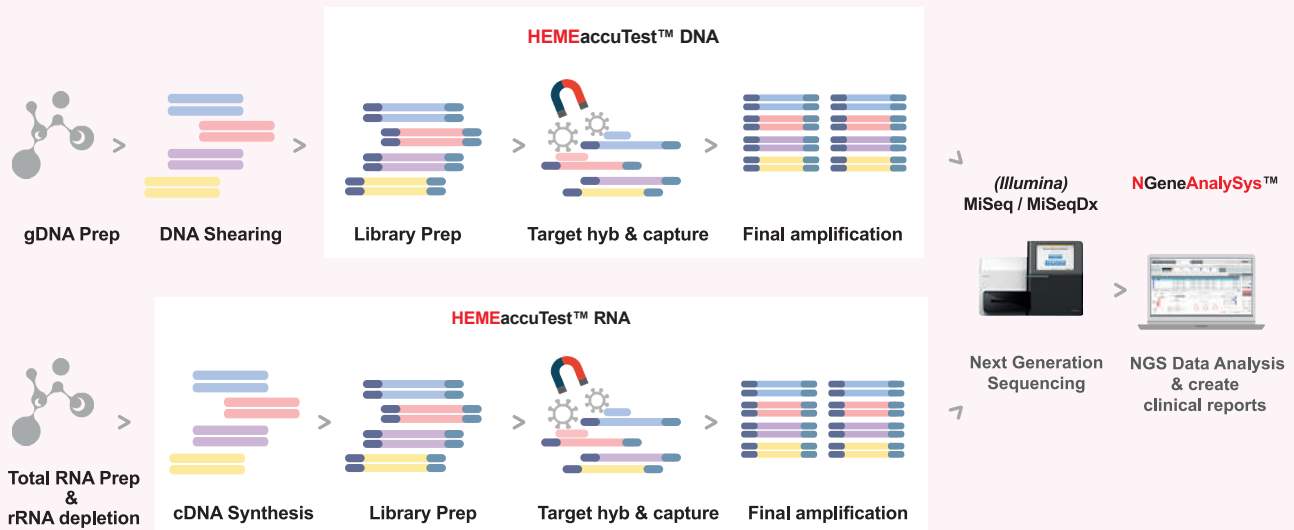
# HEMEaccuTest™

## Genetic variants screening for hematologic malignancies

Acute Myeloid Leukemia (AML) | Acute Lymphoid Leukemia (ALL)  
Myelodysplastic/Myeloproliferative Neoplasm (MDS/MPN) | Multiple Myeloma (MM) | Lymphoma



### Working Process



### Product Specification

	HEMEaccuTest™ DNA	HEMEaccuTest™ RNA
Technique	NGS (Next Generation Sequencing)	
Compatible platforms	Illumina / MiSeq, MiSeqDx	
Target Enrichment	Targeted sequencing / Hyb & capture method	
Specimen	Blood, bone marrow and lymph nodes	
Quantity	8 runs (8-12 tests/run, up to 96 tests/pack)	
Target genes	108 genes	35 genes (5 house-keeping genes)
Target size	305 kb	283 kb
Turn around time	3 days	3.5 days
Variants type	SNV, CNV, In, Del, Dup	Fusion, Alternative splicing, expression level

## Target Gene List

DNA Panel	ABL1	ABL2	AKT1	ALK	ANKRD26	ASXL1	ATM	BCL2	BCL6	BCOR
	BCR	BIRC3	BRAF	CALR	CBFB	CBL	CCND1	CDKN2A	CDKN2B	CEBPA
	CREBBP	CRLF2	CSF1R	CSF3R	CXCR4	DDX41	DEK	DHX15	DKC1	DNMT3A
	EBF1	EP300	EPOR	ETNK1	ETV6	EZH2	FBXW7	FGFR1	FIP1L1	FLT3
	GATA1	GATA2	GATA3	IDH1	IDH2	IKZF1	IKZF2	IKZF3	IL3	IL7R
	JAK1	JAK2	JAK3	KDM6A	KIT	KMT2A (aka MLL1)	KRAS	MECOM	MGA	MKL1
	MLLT3	MPL	MTCP1	MYC	MYD88	MYH11	NF1	NOTCH1	NPM1	NRAS
	NTRK3	NUP214	PAX5	PBX1	PCM1	PDGFRA	PDGFRB	PHF6	PML	PRPF8
	PTPN11	RAD21	RARA	RB1	RBM15	RUNX1	RUNX1T1	SETBP1	SF3B1	SH2B3
	SMC1A	SMC3	SRSF2	STAG2	STAT3	TAL1	TCF3	TERC	TERT	TET2
	TLX1	TLX3	TP53	TYK2	U2AF1	WT1	ZBTB7A	ZRSR2		
RNA panel	ABL1	BCR	CBFB	DEK	ETV6	FGFR1	FIP1L1	GATA2	IGH	IL3
	JAK2	KMT2A	MECOM	MKL1	MLLT3	MYH11	NUP214	PBX1	PCM1	PDGFRA
	PDGFRB	PML	RARA	RBM15	RUNX1	RUNX1T1	TCF3	NUP98	MLF1	FUS
	GUSB	HBS1L	HPRT1	SDHA	TBP					

## Performance test with clinical samples

### Comparison of variants detection

13 clinical samples + 2 cell lines

35 variants detected previously  
by Sanger sequencing, FISH,  
Realtime PCR, etc.

### Concordance rate $\geq 99.9\%$

		HEMEaccuTest™ DNA		
		MD	MND	Total
Conventional methods	MD	35	0	35
	MND	0	0	0
	Total	35	0	35

MD : mutation detection, MND : mutation non-detection

## Ordering Information

Cat no.	Products	Quantity	Storage
<b>NGB121UWW</b> NGB121UWW-71 NGB121UWW-72	<b>HEMEaccuTest™ DNA</b> HEMEaccuTest™ DNA Library Preparation Kit HEMEaccuTest™ DNA Target Enrichment Kit	96 tests 8 runs (up to 96 tests)	-20 °C -20 °C
<b>NGB122UWW</b> NGB122UWW-71 NGB122UWW-72	<b>HEMEaccuTest™ RNA</b> HEMEaccuTest™ RNA Library Preparation Kit HEMEaccuTest™ RNA Target Enrichment Kit	96 tests 8 runs (up to 96 tests)	-20 °C -20 °C
<b>NGB312VWW</b>	<b>NGeneAnalySys™ v.1.3</b> (Software for both germline and somatic analysis)		

This product is for research use only

All products of NGeneBio Co., Ltd. are manufactured under a strict quality control process. NGeneBio Co., Ltd. warrants the quality of the product during the warranty period (marked on the product).