

NGeneBio

Innovative & Next Generation Biotechnology



NGS PANEL

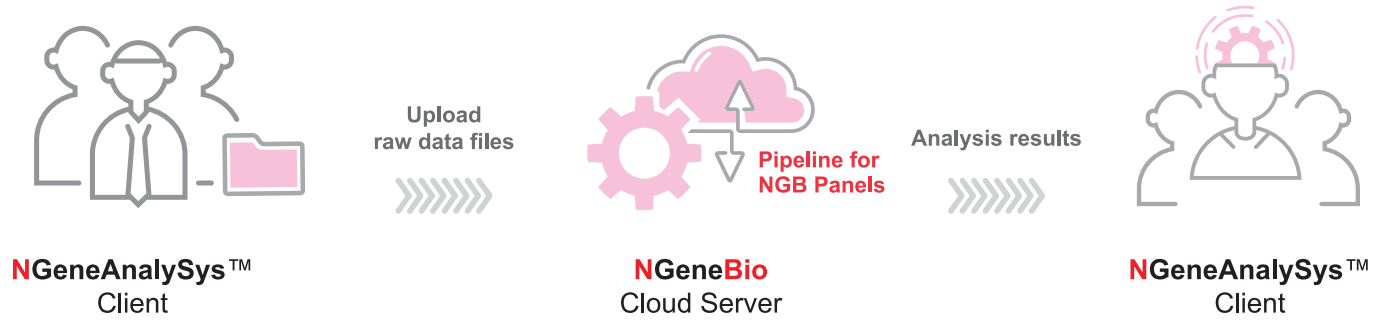
Technique	Next Generation Sequencing	
Compatible platforms	Illumina / MiSeq, MiSeqDx	
Target Enrichment	Targeted sequencing / Amplicon method	
Products	BRCAaccuTest™	BRCAaccuTest™PLUS
certification	CE-IVD, KFDA Class III	CE - IVD
Specimen	Blood	Blood and FFPE tissue, tissue biopsy
Quantity	24 test (1 test for control DNA)	6+6 test (1 test each for control DNA)
Target region	19.8 kb (all protein coding region + intron boundary 10 bp)	
primer pairs	131 (2 pools)	146 (2 pools)
Hands on time	4.5 hrs	5 hrs
Target disease	Breast/ovarian cancer, HBOC (Hereditary breast and ovarian cancer syndrome)	
Variants type	SNV, CNV, In, Del, Dup	SNV, CNV, In, Del, Dup
Target Enrichment	Targeted sequencing / Hyb & capture method	
Products	HEMEaccuTest™DNA	HEMEaccuTest™RNA
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
Target disease	Acute myeloid leukemia, acute lymphoid leukemia, myelodysplastic/myeloproliferative neoplasm, multiple myeloma, lymphoma	
Variants type	SNV, CNV, In, Del, Dup	Fusion, Alternative splicing, expression level
Products	SOLIDaccuTest™DNA	SOLIDaccuTest™RNA
Compatible platform	FFPE, tissues biopsy	
Quantity	8 runs (8-12 tests/run, up to 96 tests/pack)	
Target genes	85 genes	29 genes
Target size	270 kb	80 kb
Turn around time	3 days	3.5 days
Target disease	Lung, gastric, colon, breast/ovarian cancer and melanoma, etc.	
Variants type	SNV, In, Del, Dup, CNV & Fusion (ALK, RET, ROS1, MET)	Fusion, Alternative splicing, expression level

STR KIT

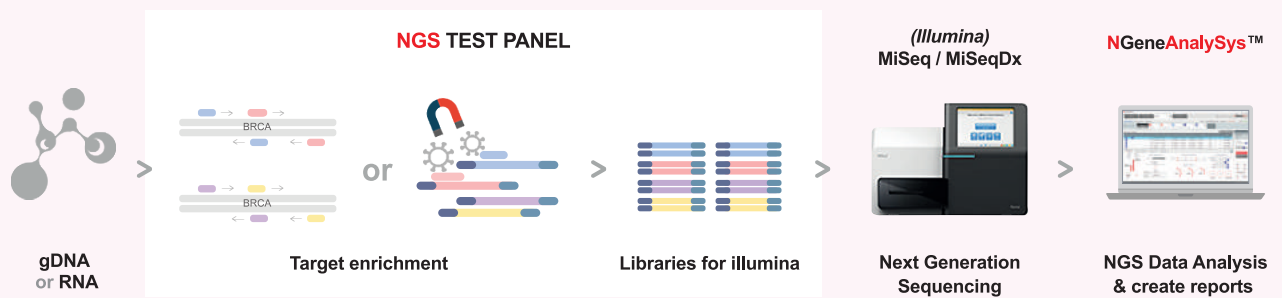
Technique	Short Tandem Repeat Analysis	
Compatible platforms	3130 Genetic Analyzer, 3130xl Genetic Analyzer, 3500 Genetic Analyzer, 3500xL Genetic Analyzer Applied Biosystems (Thermo Fisher)	
Products	Autosomal STR	Y-Chromosome STR
Specimen	Genomic DNA from Blood, Saliva, Whatman FTA cards, buccal swab, nail, hair root and forensic samples	
Purpose	DNA profile Forensic DNA analysis Paternity test CNV	Paternal relationships Trace familial relationships among males Sexual assault evidence
Amplicon size	A-STR 16plex < 418bp A-STR 9plex < 300bp	Y-STR < 316bp
Loci reference	U.S. CODIS loci (13+gender typing) Extended U.S. CODIS Core Loci (7) German Core Loci (13+7+1) Two more highly polymorphic loci (2)	European minimal haplotype (8) SWGDAM recommended Y-STR panel (8+2) Highly polymorphic loci (6)



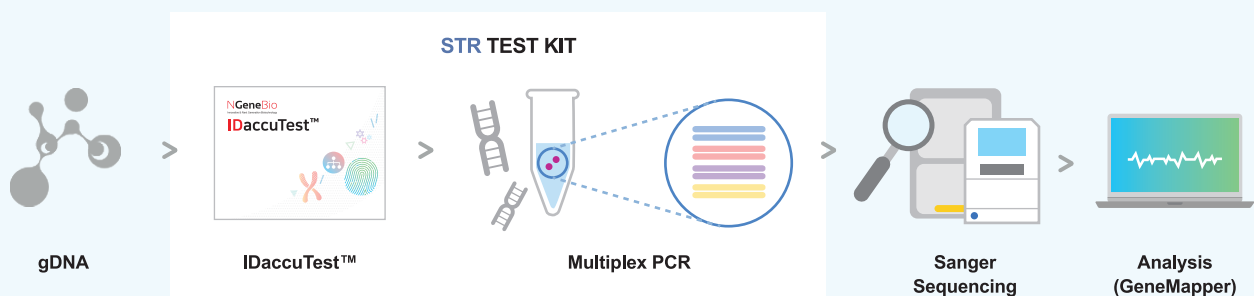
NGS DATA ANALYSIS SOFTWARE



NGS TEST WORKFLOW



STR TEST WORKFLOW



Ordering Information

NGB-MT-900UCE-18.003 (1)

	Cat no.	Products	Quantity (T)	Storage
NGS Panel	NGB111VKA NGB111VKA-71 NGB111VKA-72	BRCAaccuTest™ (Approved CE-IVD and KFDA Class III) - BRCAaccuTest™ Reagents - BRCAaccuTest™ cleanup beads	24 24	-20°C (box package) 4°C (separated component)
	NGB112VIA	BRCAaccuTest™ PLUS (Approved CE-IVD)	12	-20°C
	NGB121UWW NGB121UWW-71 NGB121UWW-72	HEMEaccuTest™ DNA - HEMEaccuTest™ DNA Library Preparation Kit - HEMEaccuTest™ DNA Target Enrichment Kit	96 8 runs (up to 96 tests)	-20°C -20°C
	NGB122UWW NGB122UWW-71 NGB122UWW-72	HEMEaccuTest™ RNA - HEMEaccuTest™ RNA Library Preparation Kit - HEMEaccuTest™ RNA Target Enrichment Kit	96 8 runs (up to 96 tests)	-20°C -20°C
	NGB131UWW NGB131UWW-71 NGB131UWW-72	SOLIDaccuTest™ DNA - SOLIDaccuTest™ DNA Library Preparation Kit - SOLIDaccuTest™ DNA Target Enrichment Kit	96 8 runs (up to 96 tests)	-20°C -20°C
	NGB132UWW NGB132UWW-71 NGB132UWW-72	SOLIDaccuTest™ RNA - SOLIDaccuTest™ RNA Library Preparation Kit - SOLIDaccuTest™ RNA Target Enrichment Kit	96 8 runs (up to 96 tests)	-20°C -20°C
NGS Data Analysis S/W	NGB311VWW	NGeneAnalySys™ v.1.1 (Software for germline analysis)		
	NGB312VWW	NGeneAnalySys™ v.1.3 (Software for both germline and somatic analysis)		
STR test kit	NGB551UIA	IDaccuTest™ A-STR 16plex	200	-20°C
	NGB552UIA	IDaccuTest™ A-STR 9plex	100	-20°C
	NGB553UIA	IDaccuTest™ A-STR 24plex	300	-20°C
	NGB554UIA	IDaccuTest™ Y-STR	100	-20°C

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).