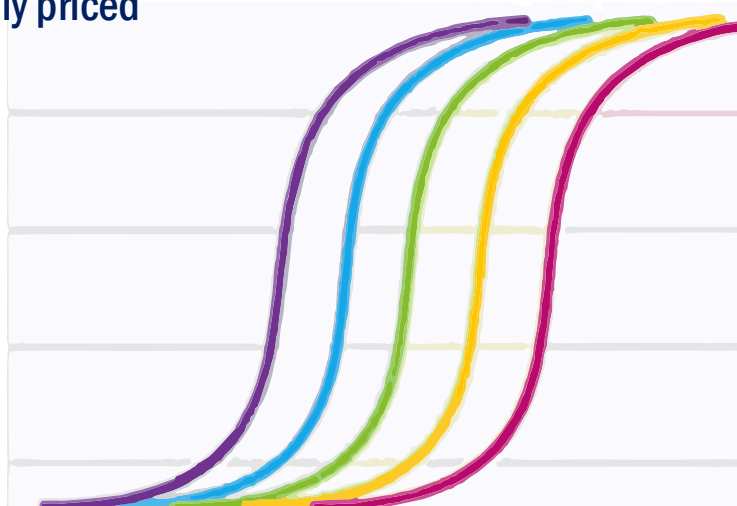


HELINI Biomolecules

Real-time PCR kits

Human SNPs/Cancer/HLA

- CE-IVD Certified
- Compatible with all reputed Real-time PCR machines
- High Sensitivity & reliability with endogenous& internal control
- Pack sizes - 25 tests / 50 tests / 100 tests
- Easy to use & Economically priced



Cancer	SNPs/HLA
JAK2	HLA-B27
BRAF	HLA-B57
NPM1	HLA-B51
KRAS	Y micro deletions - 14 targets
D816V	MTHFR
EGFR	Sickle cell anemia
BCR-ABL universal	Beta-Thalassemia – 8 targets
BCR-ABL Screening	Factor V leiden
BCR-ABL Quantitative	
PML-RARA Quantitative	
BRCA1-BRCA2	
MPL mutations	
CALR mutations	
CYP2C19 mutations	
IKZF1 mutations	
AML1-ETO	
CBFB-MYH11	
E2A-PBX1	
MLL-AF4	
TEL-AML1	

HELINI JAK2 Mutation Real-time PCR kit

Cat. No	Description	Pack size
8501	HELINI JAK2 Mutation Real-time PCR kit	25/50/100
Specificity	JAK2 Mutation - V617F/G1849T (G>T)	
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – JAK2 mutation / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI BRAF Mutation Real-time PCR kit

Cat. No	Description	Pack size
8502	HELINI BRAF Mutation Real-time PCR kit	25/50/100
Specificity	Mutation	Base change
	V600E	(GTG>GAG)
	V600D	(GTG>GAT)
	V600K	(GTG>AAG)
	V600R	(GTG>AGG)
	V600E complex	(GTG>GAA)
	Detects all base changes, but will not differentiate	
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – BRAF mutation / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI NPM1 Real-time PCR kit

Cat. No	Description	Pack size
8503	HELINI NPM1 Mutation Real-time PCR kit	25/50/100

Specificity	Mutation-A	TCTG - tetra nucleotide duplication at position 956
	Mutation-B	CATG tetra nucleotide insertion at position 959
	Mutation-D	CCTG tetra nucleotide insertion at position 959
	Detects all three mutations, but will not differentiate.	
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – NPM1 mutation / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI KRAS Real-time PCR kit

Cat. No	Description	Pack size
8504	HELINI KRAS Real-time PCR kit	25/50/100
Specificity	Mutation	Base change
	GLY12ALA	(GGT>GCT)
	GLY12ASP	(GGT>GAT)
	GLY12ARG	(GGT>CGT)
	GLY12CYS	(GGT>TGT)
	GLY12SER	(GGT>AGT)
	GLY12VAL	(GGT>GTT)
	Detects all base changes, but will not differentiate	
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – KRAS mutation / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI D816V Real-time PCR kit

Cat. No	Description	Pack size
8505	HELINI D816V Real-time PCR kit	25/50/100
Specificity	KIT D816V substitution of aspartate (D) to valine (V) - (A>T)	
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – D816V mutation / FAM – Endogenous control	
Reaction volume	Two tube reaction per sample. Reaction final volume per tube: 25μl - DNA input volume per tube: 10μl	

HELINI EGFR Real-time PCR kit

Cat. No	Description				Pack size
8506	HELINI EGFR Real-time PCR kit				25/50/100
Exon-18		Exon-19		Exon-20	Exon-21
G719A – 2156G>C G719S – 2155G>A G719C – 2155G>T		2235-2249 del 15 2235-2252>AAT del18 2236-2253 del 18 2237-2251 del 15 2237-2254 del 18 2237-2255>T del 19 2236-2250 del 15 2238-2255 del 18	2238-2248>GC del 11 2238-2252>GCA del 15 2239-2247 del 9 2239-2253 del 15 2239-2256 del 18 2239-2248>C del 10 2239-2258>CA del 20 2240-2251 del 12 2240-2257 del 18 2240-2254 del 15 2239-2251>C del 13	T790M – 2369C>T S768I – 2303G>T 2307-2308 – ins GCCAGCGTG 2319-2320- ins CAC 2310-2311- ins GGT	L858R – 2573T>G L861Q – 2582T>A
Assay control		Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.			
Detection channels		FAM – T790M/L858R/G716A/19 deletions HEX – S768I/L861Q/3 Insertions/Endogenous control			
Reaction volume		4 tubes reaction per sample. Reaction final volume per tube: 25µl - DNA input volume: 10µl/tube			

HELINI BCR-ABL Universal Real-time PCR kit

Cat. No	Description	Pack size
8511	HELINI BCR-ABL Universal Real-time PCR kit	25/50/100

Specificity	BCR-ABL universal [Detects Major, Minor and Micro transcripts, but will not differentiate]	
Sensitivity	1µg RNA	
Assay control	Internal control – Validates sample purification efficiency and PCR inhibition status.	
Detection channels	FAM – BCR-ABL / HEX – Internal control	
Reaction volume	Two step Real-time PCR assay Reaction final volume: 25µl - RNA input volume: 10µl	

HELINI BCR-ABL Screening Real-time PCR kit

Cat. No	Description	Pack size
8512	HELINI BCR-ABL Screening Real-time PCR kit	25/50/100
Specificity	BCR-ABL [Detects & differentiate major, minor and micro transcripts]	
Sensitivity	1µg RNA	
Assay control	Internal control – Validates sample purification efficiency and PCR inhibition status.	
Detection channels	FAM – BCR-ABL / HEX – Internal control	
Reaction volume	Two step Real-time PCR assay Three tube reactions per sample. Reaction final volume: 25µl - RNA input volume: 10µl	

HELINI BCR-ABL Real-time PCR kit

Cat. No	Description			Pack size
8507	HELINI BCR-ABL Real-time PCR kit			25/50/100
Specificity	BCR-ABL – Detects and differentiate Major, Minor and Micro. Quantitative assay with endogenous control			
Sensitivity	1µg RNA	Dynamic Linear range	1.00E+09 to 1.00E+00 copies/µl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status, PCR inhibition status and copy numbers.			
Detection channels	FAM - BCR-ABL & Endogenous control [ABL gene]			
Reaction volume	Two step Real-time PCR assay Three tube reaction per sample. Reaction final volume: 25µl - RNA input volume: 10µl			

HELINI PML-RARA Real-time PCR kit

Cat. No	Description			Pack size
8509	HELINI PML-RARA Real-time PCR kit			25/50/100
Specificity	PML-RARA – Detects and differentiate ABL1, ABL2 and ABL3. Quantitative assay with endogenous control			
Sensitivity	1µg RNA	Dynamic Linear range	1.00E+09 to 1.00E+00 copies/µl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status, PCR inhibition status and copy numbers.			
Detection channels	FAM - PML-RARA & Endogenous control [ABL gene]			
Reaction volume	Two step Real-time PCR assay Three tube reaction per sample. Reaction final volume: 25µl - RNA input volume: 10µl			

HELINI BRCA1-BRCA2 Real-time PCR kit

Cat. No	Description	Pack size
8510	HELINI BRCA1-BRCA2 Real-time PCR kit	25/50/100
Specificity	Gene	Base change
	BRCA1	185delAG 300T>G [C61G] 2080delA 4153delA 5382insC
	BRCA2	6174delT
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – BRCA1 & A2 mutation and Endogenous control	
Reaction volume	Seven tubes reaction per sample. Reaction final volume per tube: 25μl - DNA input volume per tube: 10μl	

HELINI MPL mutations Real-time PCR kit

Cat. No	Description	Pack size
8513	HELINI MPL mutations Real-time PCR kit	25/50/100
Specificity	Mutation	Base change
	W515L	c.1544G>T substitution
	W515K	c.1543_1544-del/ins-AA mutation
	W515A	c.1543_1544-del/ins-GC mutation
	W515N	c.1514G>A substitution
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – MPL mutations and Endogenous control	
Reaction volume	Eight tube reactions per sample Reaction final volume per tube: 25μl - DNA input volume per tube: 10μl	

HELINI CALR mutations Real-time PCR kit

Cat. No	Description	Pack size
8514	HELINI CALR mutations Real-time PCR kit	25/50/100
Specificity	Mutation	Base change
	CALR – type 1 mutation	[52bp deletion]
	CALR – type 2 mutation	[5bp deletion]
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – CALR mutations and Endogenous control	
Reaction volume	Four tubes reaction per sample Reaction final volume per tube: 25μl - DNA input volume per tube: 10μl	

HELINI CYP2C19 Real-time PCR kit

Cat. No	Description	Pack size
8515	HELINI CYP2C19 Real-time PCR kit	25/50/100
Specificity	Mutation	Base change
	CYP2C19*2	681 G>A
	CYP2C19*3	636 G>A
	CYP2C19*17	806 C>T
Sensitivity	10ng/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – CYP2C19 mutations and Endogenous control	
Reaction volume	Six tubes reaction per sample Reaction final volume per tube: 25μl - DNA input volume per tube: 10μl	

HELINI IKZF1 Real-time PCR kit

Cat. No	Description	Pack size
8516	HELINI IKZF1 Real-time PCR kit	25/50/100

Specificity	Deletions		
	Exon-2	Exon-5	Exon-8
	Exon-3	Exon-6	
	Exon-4	Exon-7	
Sensitivity	10ng/μl		
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.		
Detection channels	FAM – IKZF1 mutations and Endogenous control		
Reaction volume	Eight tubes reaction per sample Reaction final volume per tube: 25μl - DNA input volume per tube: 10μl		

HELINI AML1 - ETO Real-time PCR kit

Cat. No	Description	Pack size
8517	HELINI AML1-ETO Real-time PCR kit	25/50/100

Specificity	AML1-ETO fusion gene transcripts [AML1 exon 5 is fused to ETO exon 2]		
Sensitivity	1μg RNA		
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.		
Detection channels	FAM – AML1-ETO fusion transcript and Endogenous control		
Reaction volume	Two step Real-time PCR assay Reaction final volume per tube: 25μl - RNA input volume per tube: 10μl		

HELINI CBFB-MYH11 Real-time PCR kit

Cat. No	Description	Pack size
8518	HELINI CBFB-MYH11 Real-time PCR kit	25/50/100

Specificity	CBFB-MYH11 fusion gene A, D & E transcripts
Sensitivity	1µg RNA
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.
Detection channels	FAM – CBFB-MYH11 transcripts and Endogenous control
Reaction volume	Two step Real-time PCR assay Four tubes assay per sample Reaction final volume per tube: 25µl - RNA input volume per tube: 10µl

HELINI E2A-PBX1 Real-time PCR kit

Cat. No	Description	Pack size
8520	HELINI E2A-PBX1 Real-time PCR kit	25/50/100

Specificity	E2A-PBX1 fusion transcript [E2A exon 13 and exon 2 of PBX1]
Sensitivity	1µg RNA
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.
Detection channels	FAM – E2A-PBX1 transcripts and Endogenous control
Reaction volume	Two step Real-time PCR assay Reaction final volume per tube: 25µl - RNA input volume per tube: 10µl

HELINI MLL-AF4 Real-time PCR kit

Cat. No	Description	Pack size
8521	HELINI MLL-AF4 Real-time PCR kit	25/50/100

Specificity	MLL-AF4 fusion two transcripts [MLL exon 10 - AF4 exon 4 & MLL exon 9 - AF4 exon 5]	
Sensitivity	1µg RNA	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – MLL-AF4 transcripts and Endogenous control	
Reaction volume	Two step Real-time PCR assay Three tube assay per sample Reaction final volume per tube: 25µl - RNA input volume per tube: 10µl	

HELINI TEL-AML1 Real-time PCR kit

Cat. No	Description	Pack size
8522	HELINI TEL-AML1 Real-time PCR kit	25/50/100

Specificity	TEL-AML1 fusion transcript [TEL exon 5 - AML1 exon 3]	
Sensitivity	1µg RNA	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – TEL-AML1 transcripts and Endogenous control	
Reaction volume	Two step Real-time PCR assay Reaction final volume per tube: 25µl - RNA input volume per tube: 10µl	

HELINI HLA-B27 Real-time PCR kit

Cat. No	Description	Pack size
8600	HELINI HLA-B27 Real-time PCR kit	25/50/100
Specificity	HLA-B*27:01 to B*27:73	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – HLA B27 / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI HLA-B57 Real-time PCR kit

Cat. No	Description	Pack size
8601	HELINI HLA-B57 Real-time PCR kit	25/50/100
Specificity	HLA-B*57:01 to B*57:80	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – HLA B57 / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI HLA-B51 Real-time PCR kit

Cat. No	Description	Pack size
8603	HELINI HLA-B51 Real-time PCR kit	25/50/100
Specificity	HLA-B*51:01 to B*51:99	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – HLA B51 / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI Y micro deletions Real-time PCR kit

Cat. No	Description	Pack size
8604	HELINI Y micro deletions Real-time PCR kit	25/50/100
Specificity	AZF-A: sY746/sY81/sY84/sY86 AZF-B: sY118/sY113/sY127/sY134/sY142 AZF-C: sY153/sY157/sY158/sY254/sY255 Control: SRY [sY14]	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – HLA B51 / HEX – Endogenous control	
Reaction volume	Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI MTHFR Real-time PCR kit

Cat. No	Description	Pack size
8605	HELINI MTHFR Real-time PCR kit	25/50/100
Specificity	MTHFR - 1298 (A-C) & 677 (C-T)	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	1298 C – FAM 677 T - FAM 1298 A - FAM 677 C - FAM	
Reaction volume	Four tube assay - Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI Sickle cell anemia Real-time PCR kit

Cat. No	Description	Pack size
8606	HELINI Sickle cell anemia Real-time PCR kit	25/50/100
Specificity	Homozygous A/A [Wild] Homozygous T/T [Mutant] Heterozygous A/T [Carrier]	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – Wild / Mutant / Carrier	
Reaction volume	Three tube assay - Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI Beta Thalassemia Real-time PCR kit - 8 targets assay

Cat. No	Description	Pack size
8607	HELINI Beta Thalassemia Real-time PCR kit - 14 tubes reactions	25/50/100
Specificity	IVS1 (G>C) 5, IVS1 (G>A) 1, IVS1 (T-C) 6, IVS1 (G>A) 110 IVS2 (C>G) 1, FSC (8/9), FSC (36/37) T, Codon 30(G-C)	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM	
Reaction volume	8 tube assay - Reaction final volume: 25μl - DNA input volume: 10μl	

HELINI Factor V leiden Real-time PCR kit

Cat. No	Description	Pack size
8610	HELINI Factor V leiden Real-time PCR kit	25/50/100
Specificity	NM_000130.4:c.1601G>A R [CGA] > Q [CAA] (Factor V Arg506Gln)	
Sensitivity	5ng DNA/μl	
Assay control	Endogenous control – Validates sample purification efficiency, biological status of the sample and PCR inhibition status.	
Detection channels	FAM – Wild & Mutant	
Reaction volume	2 tube assay - Reaction final volume: 25μl - DNA input volume: 10μl	