

Probes for β - Thalassemia : ARMS PRIMERS

Amplification Refractory System (ARMS) is a modified PCR method that allows the detection of known point - mutation by allele specific amplification of genomic DNA. ARMS is a rapid, non-radio active method for screening large populations of patients, carriers and normal individuals.

ARMS PRIMER (5'-3')	Mutation detected	Amplified
GAT GAA GTT GGT GGT GAG GCC CTG GGT AGG	IVS 1-Int.G - T (N)	281 bp
TTA AAC CTG TCT TGT AAC CTT GAT ACG AAA	IVS 1-Int G - C (M) Point mutation	281 bp
CTC CTT AAA CCT GTC TTG TAA CCT TGT TAC	IVS 1-5nt G - C (N)	285 bp
CTC CTT AAA CCT GTC TTG TAA CCT TGT TAG	IVS 1-5nt G - C (M) Point mutation	285 bp
CCT TGC CCC ACA GGG CAG TAA CGG CAC ACT	Cd. 8/9 + G (N)	225 bp
CCT TGC CCC ACA GGG CAG TAA CGG CAC ACC	Cd. 8/9 + G (M) Frame shift mutation	225 bp
GAG TGG ACA GAT CCC CAA AGG ACT CAA AGA	Cd. 41/42 (—TCTT) (N)	439 bp
GAG TGG ACA GAT CCC CAA AGG ACT CAA CCT	Cd. 41/42 (—TCTT) (M) deletion	439 bp
TAA CCT TGA TAC CAA CCT GCC CAG GGC GTC	HbE Cd. 26 G - A (N)	236 bp
TAA CCT TGA TAC CAA CCT GCC CAG GGC GTT	HbE Cd. 26 G - A (M) Point mutation	236 bp
CAA TGT ATC ATG CCT CTT TGC ACC	Internal control primer	861 bp
GAG TCA AGG CTG AGA GAT GCA GGA	Internal control primer	
ACC TCA CCC TGT GGA GCC AC	Common Reverse primer	A
CCC CTT CCT ATG ACA TGA ACT TAA	Common Reverse primer	B

Ordering Information:

Catalogue Number	Product	Pack Size
PROBES FOR β - THALASSEMIA : ARMS PRIMERS		
105296	Complete Primer Set for β - Thalassemia (14 Primers)	14 x 0.2 OD (6.6 μ g)