

# Mutation Quantification Control Plasma

cfDNA Controls for Molecular Testing

Buffer-based or plasma-based controls are produced by mixing single or multiplexed mutant gene fragments with a native, whole-genome cfDNA background (Figure A).

We provide custom cfDNA fragmentation and nucleosome protected cfDNA preparation from your cell lines of choice.

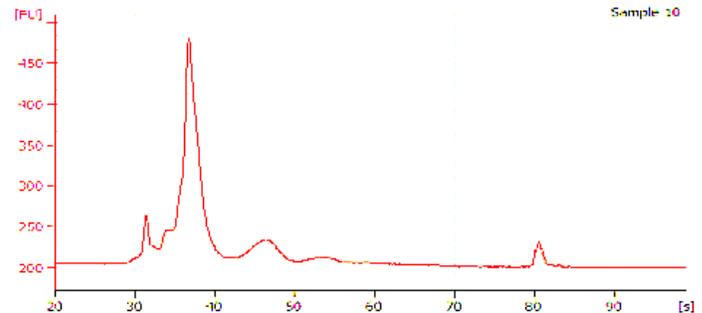


Figure A

## AM Multiplexed Mutation Quality Controls

Synthetic ctDNAs at fixed allele frequency (AF%) are mixed with normal gDNA fragments. The product includes more than 50 mutant genes (Table 1).

EGFR (T790M)	KRAS (G12S)	TP53 (R175H)	EGFR (delE746-A750)
EGFR (C797S)	KRAS (G12A)	APC (R1450X)	EGFR (delL747-T751insS)
EGFR (T790M & C797S cis)	KRAS (G12R)	Beta2-M (M11)	EGFR (delL747-P753insS)
EGFR (G719S)	KRAS (G13D)	DDR2 (R709X)	EML4-ALK v1
EGFR (G719C)	BRAF (V600E)	ERBB4 (R711C)	EML4-ALK v2
EGFR (G719A)	BRCA1 (P871L)	MDM2 (R189H)	ETV6-NTRK3
EGFR (S720F)	BRCA2 (N372H)	MDM4 (Q118L)	CCDC6-RET
EGFR (L858R)	ERBB2 (S310F)	POLE (P286R)	NCOA4-RET
EGFR (L861Q)	JAK2 (V617F)	PTEN (R130G)	CD74-ROS1
EGFR (L861R)	MAP2K1 (P124S)	SKT11 (F354L)	SLC34A2-ROS1
KRAS (G12D)	MET (Y1253D)	EGFR (D770-N771insNPG)	CD74-ROS1
KRAS (G12V)	PIK3CA (H1047R)	EGFR (D770-N771insSVQ)	CTNNB1 (S45P)
KRAS (G12C)	TERT (A305A)	EGFR (D770-N771insG)	Beta2-M (M11)

Table 1

Catalog No.	Product	Size
Z2010003	Mutation Quantification Control Plasma with 50 ng spike in DNA	5 ml
Z2010004	Mutation Quantification Control Plasma with 250 ng spike in DNA	25 ml

Please inquire about our products and applications.