

| Product Information | |
|-----------------------|----------------|
| AccuMelt HRM SuperMix | |
| Part Number | 95103-250 |
| Number of Reactions | 250 Reactions |
| Reaction Size | 20 µL |
| Storage Temperature | -25°C to -15°C |
| Lot Number | 030550 |
| Reference Number | 041718 |
| Expiration Date | 04/30/2021 |

Product Description:

AccuMelt HRM SuperMix is a 2x concentrated, ready to use reaction cocktail for detection of genetic variations using high resolution melting (HRM) analysis. It includes all required components except for primers and DNA template. HRM is a closed tube, rapid and cost-effective procedure for characterization of sequences differences immediately following PCR amplification. It is based on the melting (dissociation) behavior of a PCR product as it transitions from double stranded to single stranded DNA in the presence of a fluorescent dsDNA binding dye.

Component Part Numbers:

84162 AccuMelt HRM SuperMix, 1.25mL

| Product Specifications | | | |
|------------------------|---|-------|-------|
| 95103 | | | |
| Assay | HRM SuperMix Functional Mouse Genomic DNA Assay | DNase | RNase |
| Result | Pass | Pass | Pass |

Quality Control Analysis and Specifications:

Nuclease Assay:

DNase: DNase activity must be below the detectable limits of 100 pg DNase I equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

RNase: RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

HRM SuperMix Functional Mouse Genomic DNA Assay: Must have detection of a single copy Gene (APOE) from 10 copies of mouse genomic DNA. Slope from Ct standard curve analysis must be between -3.25 and -3.65 with a coefficient of determination (R^2) of ≥ 0.990 .

SNP Discrimination Assay: Must resolve homozygote samples for class 4(A>T) and class 3 (C/G) SNPs in a model test system.

Limitations of Use

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