Product Information	
AccuStart Long Range SuperMix	
Part Number	95199-025
Number of Reactions	25 reactions
Reaction Size	50 uL
Storage Temperature	-25ºC to -15ºC
Lot Number	66229981
Reference Number	060823
Expiration Date	06/30/2026

Product Description:

The AccuStart Long Range SuperMix is a 4x, ready-to-use solution that contains all the components for long-range target amplifications, including a blend of two hot-start thermostable DNA polymerases (one with strong proof-reading activity) and an optimized buffer to ensure high efficiency, sensitivity and specificity for amplification of long-range targets. This mix enables routine and easy amplification of up to 24kb target from human genomic DNA with high accuracy (> 10-fold better fidelity than Taq) and accommodates targets with broad GC-content (no separate GC buffer needed). Fast cycling conditions (≥2 kb/min) can be implemented for extremely long targets. This product is also capable of amplifying multiple targets simultaneously – up to 6 targets up to 6 kb each.

Component Part Numbers:

84638 AccuStart Long Range SuperMix 0.313 mL

Product Specifications	
95199	
Assay	Long Range PCR Master Mix Functional Assay
Result	Pass

Quality Control Analysis and Specifications:

The functionality of the AccuStart Long Range SuperMix is evaluated in a PCR reaction to produce a major band of amplification for targets at 24 kb, 17.5 kb and 8.5 kb from 5 ng of Human Genomic DNA.

Notes:
Enzyme components were tested prior to formulation of the master mix and found free of contaminating endonucleases and exonucleases. Enzyme purity was >99% as determined by SDS-PAGE and negligible *E.coli* genomic DNA contamination was confirmed by qPCR. Specific activity was verified for each enzyme pre-formulation.