Components:
84515 DNA Polishing Enzyme Mix, 0.960mL
84517 DNA Polishing Buffer, 0.480mL
84519 DNA Ligase, 0.480mL
84521 DNA Ligation Buffer, 0.960mL
84523 HiFi PCR Master Mix (2X), 1.250mL
84525 Primer Mix, 0.288mL

Quality Control Analysis and Specifications:
Library Prep Functional Assay: Quality of the sparQ DNA Library Prep Kit is tested functionally by preparation of a DNA library from bacterial genomic DNA with GC-content of 10-80%. The differences in library yield and profile among different lots must be within 15%. Sequencing of the amplified library must yield mapped reads >90% and normalized coverage between 0.7 and 1.3 across the full GC spectrum.

Enzyme components were tested prior to assembly and free of contaminating endonucleases and exonucleases. Enzyme purity was >95% as determined by SDS-PAGE and negligible E. coli genomic DNA contamination was confirmed by qPCR.

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