

Product Information	
sparQ mRNA-Seq Kit, Box 2 (24)	
Part Number	1128973
Number of Reactions	24 Reactions
Storage Temperature	-25°C to -15°C
Lot Number	77501346
Expiration Date	2024-05-26

Product Description:

The sparQ mRNA-Seq Kit enables efficient preparation of stranded mRNA-seq libraries for Illumina® NGS platforms in 4.75 hours. It is optimized for efficient isolation of mRNA for consistent exonic read coverage across varying RNA input amounts. The streamlined workflow allows for reduced hands-on time while supporting low input amounts, as low as 5 ng of total RNA.

Component Part Numbers:

- 1128973 sparQ mRNA-Seq Kit, Box 2 (24)
- 1128962 RNase Inhibitor
- 1128965 mRNA Frag Prime Buffer
- 1126264 1st Strand Enzyme Mix
- 1126267 2nd Strand Buffer
- 1126270 2nd Strand Enzyme Mix
- 1126273 Rapid Ligation Buffer (5X)
- 1126276 T4 DNA Ligase
- 1126279 HiFi Plus Master mix (2X)
- 1126282 Primer Mix

Product Specifications	
95218	
Assay	Library Functional Assay
Specification	Functional

Quality Control Analysis and Specifications:

Library Prep Functional Assay: Quality of the sparQ mRNA-Seq Kit is tested functionally by preparation of a cDNA library from high quality reference total RNA. The differences in library yield and profile among different lots must be within 15%. Sequencing of the amplified cDNA library must yield mapped reads >90%.

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.

Limitations of Use

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