

| Product Information   |                |
|-----------------------|----------------|
| sparQ RNA-Seq HMR Kit |                |
| Part Number           | 95216-024      |
| Number of Reactions   | 24 Reactions   |
| Storage Temperature   | -25°C to -15°C |
| Lot Number            | 7750769        |
| Expiration Date       | 2024-03-16     |

**Product Description:**

sparQ RNA-Seq HMR Kit simultaneously depletes rRNA and globin mRNA while generating stranded RNA-seq libraries in 4.5 hours. In a single step and tube, RNA fragmentation and depletion of abundant ribosomal and globin transcripts (human, mouse, and rat) are integrated. The proprietary, highly optimized enzymes and streamlined workflow generate high quality, directional, transcriptome NGS libraries from either intact or degraded RNA samples, with key improvements for low input and FFPE samples.

**Component Part Numbers:**

- 1126261 Frag Prime RG Depletion Mix
- 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
- 1129849 Bead Booster
- 1126285 UDI Dilution Buffer

| Product Specifications |                          |
|------------------------|--------------------------|
| 95216                  |                          |
| Assay                  | Library Functional Assay |
| Specification          | Functional               |

**Quality Control Analysis and Specifications:**

**Library Prep Functional Assay:** Quality of the sparQ RNA-Seq HMR 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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This product was developed, manufactured, and sold for in vitro use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.

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