

Product Information	
sparQ RNA-Seq HMR Kit	
Part Number	95216-096
Number of Reactions	96 Reactions
Storage Temperature	-25°C to -15°C
Lot Number	7720492
Expiration Date	2023-08-15

**Product Description:**

sparQ RNA-Seq HMR Kit simultaneously depletes rRNA and globin mRNA while generating stranded RNA-seq libraries in 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:**

- 1126262 Frag Prime RG Depletion Mix
- 1126265 1st Strand Enzyme Mix
- 1126268 2nd Strand Buffer
- 1126271 2nd Strand Enzyme Mix
- 1126274 Rapid Ligation Buffer (5X)
- 1126277 T4 DNA Ligase
- 1126280 HiFi Plus Master Mix (2X)
- 1126283 Primer Mix
- 1126286 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.

100 Cummings Center, Suite 407J, Beverly, MA 01915 · Ph (888) 927-7027 · Fax (978) 867-5724 · [www.quantabio.com](http://www.quantabio.com) FMI-016.2 Rev.02