

Product Information	
sparQ Fast Library Quant Kit	
Part Number	95197-500
Number of Reactions	500 Reactions
Reaction Size	20 µL
Storage Temperature	-25°C to -15°C
Lot Number	66168076
Reference Number	091720, 061719, 061719, 061719, 061719, 061719, 061719, 082119
Expiration Date	08/31/2022

**Product Description:**

The sparQ Fast Library Quant Kit employs qPCR to quantify library molecules that possess the appropriate adapter tag compatible with Illumina® sequencing platforms at each end. This kit was specifically created and optimized for use with the Q real-time PCR instrument, which supports fast cycling protocols with run times under 40 minutes.

**Component Part Numbers:**

84630 Library Dilution Buffer (10X), 1.50mL

- 84631 sparQ Fast Mastermix (1.25X), 8.0mL
- 84632 sparQ DNA Standard 1 (20 pM), 0.25mL
- 84633 sparQ DNA Standard 2 (2 pM), 0.25mL
- 84634 sparQ DNA Standard 3 (0.2 pM), 0.25mL
- 84635 sparQ DNA Standard 4 (0.02 pM), 0.25mL
- 84636 sparQ DNA Standard 5 (0.002 pM), 0.25mL
- 84637 sparQ DNA Standard 6 (0.0002 pM), 0.25mL

Product Specifications	
95197	
Assay	Functional Assay
Result	Pass

**Quality Control Analysis and Specifications:**

qPCR of the DNA Standards are assayed in triplicate reactions with sparQ Fast Mastermix on the Q according to manufacturer’s recommended cycling conditions and must generate a standard curve with  $R^2 \geq 0.995$  and a PCR efficiency  $\geq 90\%$ . Dissociation curve analysis must present as a single melt peak with the expected  $T_m$ .

**Limitations of Use**

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