

Product Information	
sparQ Fast Library Quant Kit	
Part Number	95197-050
Number of Reactions	50 Reactions
Reaction Size	20 µL
Storage Temperature	-25°C to -15°C
Lot Number	66168067
Reference Number	091720, 061719, 061719, 061719, 061719, 061719, 061719, 082119
Expiration Date	03/31/2022

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

- 84623 sparQ Fast Mastermix (1.25X), 0.80mL
- 84624 sparQ DNA Standard 1 (20 pM), 0.025mL
- 84625 sparQ DNA Standard 2 (2 pM), 0.025mL
- 84626 sparQ DNA Standard 3 (0.2 pM), 0.025mL
- 84627 sparQ DNA Standard 4 (0.02 pM), 0.025mL
- 84628 sparQ DNA Standard 5 (0.002 pM), 0.025mL
- 84629 sparQ DNA Standard 6 (0.0002 pM), 0.025mL

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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