

Product Information	
sparQ Universal Library Quant Kit	
Part Number	95210-500
Number of Reactions	500 Reactions
Reaction Size	20 µL
Storage Temperature	-25°C to -15°C
Lot Number	66237456
Reference Number	111722, 061223, 22032901, 22033102, 22033103, 22033104, 22033105, 22033106, 082119
Expiration Date	05/31/2024

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  
 84646 Passive ROX Reference Dye (50x), 0.025mL

**Product Description:**

The sparQ Universal 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 is compatible with a variety of real-time PCR instruments, which supports fast cycling protocols with run times under 40 minutes.

**Component Part Numbers:**

84630 Library Dilution Buffer (10X), 1.50mL  
 84645 sparQ Universal Fast Mastermix (1.25X), 8.0mL

Product Specifications	
95210	
Assay	Functional Assay
Result	Pass

**Quality Control Analysis and Specifications:**

qPCR of the DNA Standards are assayed in triplicate reactions with sparQ Fast Mastermix according to the 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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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 • Phone +1 888-959-5165 • [www.quantabio.com](http://www.quantabio.com) FMWI-016.2 Rev.03