

Product Information	
sparQ Universal Library Quant Kit	
Part Number	95210-100
Number of Reactions	100 Reactions
Reaction Size	20 µL
Storage Temperature	-25°C to -15°C
Lot Number	66280281
Reference Number	041724, 052925, 24082701, 24082702, 24082703, 24082704, 24082705, 24082706, 042225
Expiration Date	11/30/2026

**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  
84644 sparQ Universal Fast Mastermix (1.25X), 1.6mL  
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  
84646 ROX Passive Reference Dye (200 µM), 0.025mL

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 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.

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