

| 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                        | 66293953  |
| Reference Number                  | 052925, 090925, 24082701,<br>24082702, 24082703,<br>24082704, 24082705,<br>24082706, 021924 |
| 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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