Product Information	
sparQ Universal Library Quant Kit	
Part Number	95210-500
Number of Reactions	500 Reactions
Reaction Size	20 µL
Storage Temperature	-25⁰C to -15⁰C
Lot Number	66250278
Reference Number	012324, 061223, 22032901, 22033102, 22033103, 22033104, 22033105, 22033106, 121823
Expiration Date	03/31/2025

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), 7.50mL
84645 sparQ Universal 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
84646 Passive ROX Reference Dye (50x), 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 manufacturer's recommended cycling conditions and must generate a standard curve with $R^2 \geq 0.995$ and a PCR efficiency ≥ 90%. Dissociation curve analysis must present as a single melt peak with the expected Tm.

Limitations of Use
Quantabio, UltraPlex, qScript, GelTrack, ToughMix, PerfeCta, and FastMix are registered trademarks of Quantabio, LLC. Applied Biosystems, StepOne, StepOnePlus and ROX are trademarks of Thermo Fisher Scientific and or its subsidiaries. Please contact Quantabio for more information.

100 Cummings Center, Suite 407J, Beverly, MA 01915 • Phone +1 888-959-5165 • www.quantabio.com FMWI-016.2 Rev.03