

Mag-Bind® NGS Normalization Kit

High-throughput normalization for sequencing-ready libraries



Fully Automatable
Adaptable on most open liquid handlers



Faster Method
Eliminates manual quantification and dilution



High-Quality
Over 90% of bases sequenced post-normalization



Magnetic Bead-based
DNA volume and output concentration scalable

Mag-Bind® NGS Normalization Kit

is designed for normalizing libraries for use in Next Generation Sequencing workflows. The Kit follows a magnetic bead-based methodology to facilitate normalization of libraries or PCR amplicons over a broad range of input from 200 ng to 2000 ng, resulting in ~100 ng normalized output. The need for manual library quantification and dilution is eliminated, reducing pipetting steps, time, and tip costs.

TARGET COVERAGE EQUIVALENT TO QUBIT AND QPCR-BASED METHODS

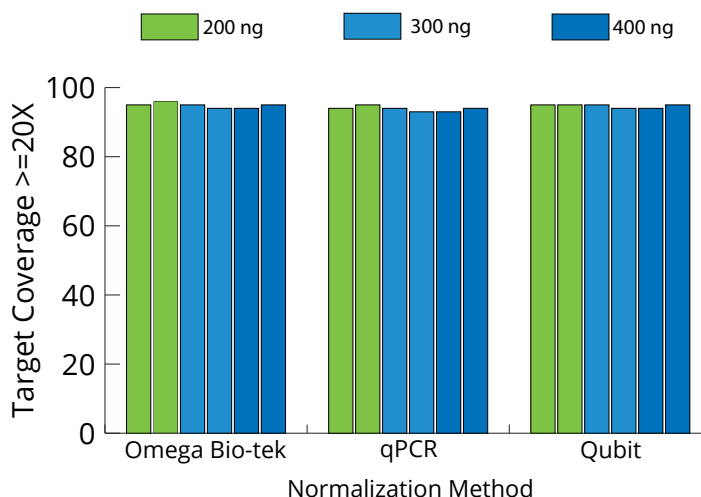


Figure 1. Target Coverage was determined from 6 targeted DNA libraries with 3 different input amounts from different normalization methods. The Mag-Bind® NGS Normalization Kit yields coverage equivalent to that of qPCR-based and Qubit-based normalization methods. All normalization methods resulted in high-quality sequencing depth and even coverage across targeted regions.

UNIFORM LIBRARY NORMALIZATION

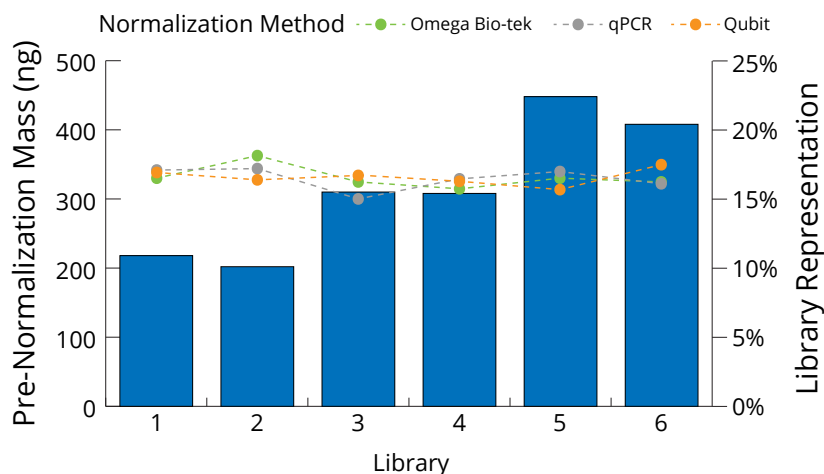


Figure 2. Targeted DNA library preparation from six libraries from a diverse input range was normalized by different methods. All normalization methodologies resulted in uniform library representation irrespective of the input amount.

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HIGH-QUALITY SEQUENCING

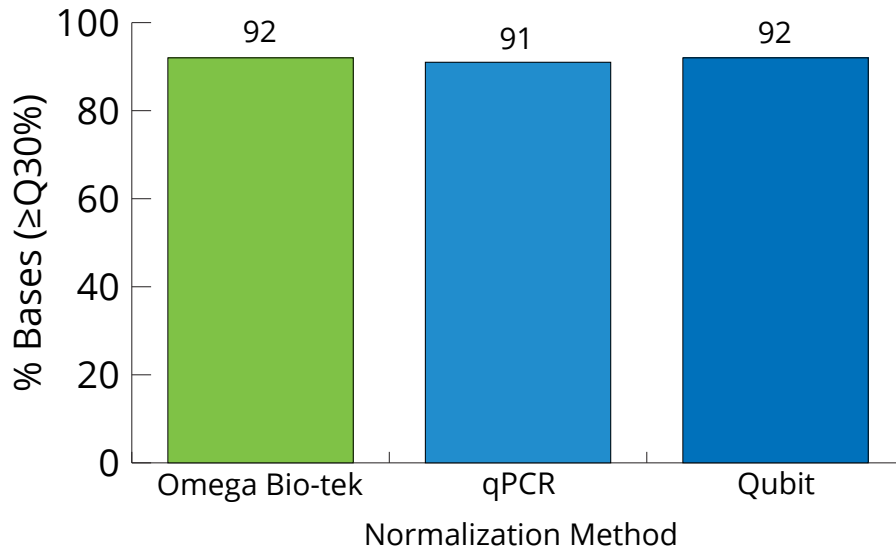


Figure 3. Omega Bio-tek's Mag-Bind® NGS Normalization Kit resulted in at least 92% of sequenced bases that have a Phred quality score (Q-score) of 30 or higher, similar to qPCR- and Qubit-based normalization methods. High-quality scores provide reliable sequencing data with minimal misalignments and erroneous variants.

Product Description	Size	Cat No.
Mag-Bind® NGS Normalization Kit	1 x 96	M6467-00
	4 x 96	M6467-01