



The **BEST** for  
Life Science

## TransNGS™ Library Quantification DNA Standards (S1-S6)

Cat. No. KS101

Storage: at -20°C for one year

### Description

TransNGS™ Library DNA Quantification Standards (S1-S6) is DNA Standard used to quantify DNA libraries prepared for Illumina next generation sequencing platforms. Five linear DNA standards with different GC contents (25%, 37.5%, 50%, 62.5%, 75%) are provided for customers to choose from. All Standards come with six 10-fold dilutions (S1-S6) with the concentrations from 0.0002 pM to 20 pM. The amplified product size is 420 bp.

DNA Standard	S1	S2	S3	S4	S5	S6
Molarity (pM)	20	2	0.2	0.02	0.002	0.0002
Copy number (copies/μl)	12×10 <sup>6</sup>	12×10 <sup>5</sup>	12×10 <sup>4</sup>	12×10 <sup>3</sup>	12×10 <sup>2</sup>	12×10 <sup>1</sup>

### Highlights

- More accurate quantification with linear DNA Standards.
- Five sets of linear DNA Standards to choose from Good selectivity, more accurate quantitative, carefully designed standard. All Standards come with six 10-fold dilutions (S1-S6) with the concentrations from 0.0002 pM to 20 pM

### Kit Contents

Component	KS101
DNA Standard with 25% of GC contents	KS101-01 120 μl each
DNA Standard with 37.5% of GC contents	KS101-11 120 μl each
DNA Standard with 50% of GC contents	KS101-21 120 μl each
DNA Standard with 62.5% of GC contents	KS101-31 120 μl each
DNA Standard with 75% of GC contents	KS101-41 120 μl each

### Choose DNA Standard

Use the following guides to choose DNA Standard

Library GC Contents	DNA Standard to Use
18%—31%	DNA Standard with 25% of GC contents
31%—42%	DNA Standard with 37.5% of GC contents
42%—56%	DNA Standard with 50% of GC contents
56%—68%	DNA Standard with 62.5% of GC contents
68%—80%	DNA Standard with 75% of GC contents



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#### Notes

- Thaw the pre-diluted DNA Standards, mix well and centrifuge briefly. Place the tubes on ice.
- For library with unknown GC contents, check the GC contents of the related species (see the Appendix in *TransNGS™* Library Quantification Kit for Illumina® (KQ101) product manual)

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