

# 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 liner 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



*The **BEST** for  
Life Science*

#### 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*<sup>®</sup> Library Quantification Kit for Illumina<sup>®</sup> (KQ101) product manual)

**FOR RESEARCH USE ONLY**