

## DNA Standards for Library Quantification

Catalog No.	Amount	Lot Number
638325	50 rxns	Specified on product label.

### Description

The DNA Standards for Library Quantification includes four DNA standards (0.01–10 pM) that are used for qPCR-based library quantification prior to Illumina® next-generation sequencing. These DNA standards contain specific concentrations of a DNA fragment (538 bp) and are designed specifically for use with the Library Quantification Kit (Cat. No. 638324). When used as templates for qPCR with the Library Quantification Kit, the standards will generate 447 bp DNA fragments that can be used to produce a standard curve for determining the concentration of DNA in an Illumina library. The standards are not suitable for use with other qPCR techniques, as they may lead to quantification errors or poor results.

### Package Contents

- 2 x 50 µl DNA Standard (10 pM)
- 2 x 50 µl DNA Standard (1 pM)
- 2 x 50 µl DNA Standard (0.1 pM)
- 2 x 50 µl DNA Standard (0.01 pM)

### Storage Conditions

- Store at –20°C.

### Expiration Date

- Specified on product label.

### Shipping Conditions

- Dry ice

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)

The following documents apply to this product:

- Library Quantification Kit User Manual

### Quality Control Data

Real-time qPCR was performed using the Terra™ qPCR Direct TB Green® Premix (Cat. No. 638319), Primer Mix Kit (Cat No. 638326), and the components of this kit. The resulting standard curve had an  $R^2 > 0.980$ , and the amplification efficiency was between 0.9–1.1.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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#### Takara Bio USA, Inc.

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### CATALOG NO.

638325

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