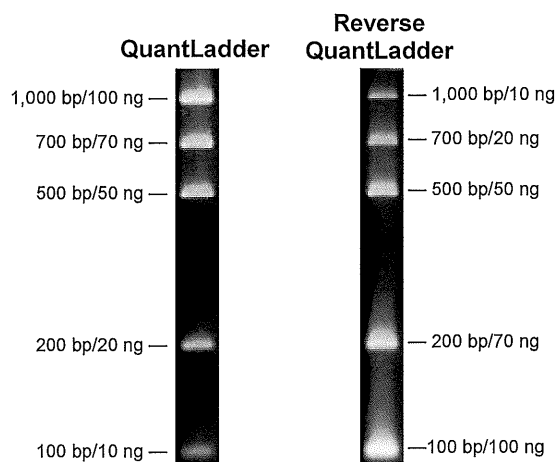


## Lonza DNA QuantLadders

### Introduction

Lonza DNA QuantLadders are prepared from five highly purified DNA fragments that provide convenient, visual quantitation of DNA within  $\pm 1\%$  accuracy. The DNA QuantLadder provides each DNA fragment in perfect relative mass equivalence at 100 ng, 70 ng, 50 ng, 20 ng and 10 ng per 2.5  $\mu$ l load, or 5  $\mu$ l load of the Simplyload<sup>®</sup> DNA Ladder. The Reverse QuantLadder simply reverses the mass equivalence order of the QuantLadder.



2.5  $\mu$ l loads of QuantLadder and Reverse QuantLadder.

### Contents

Lonza DNA QuantLadders are supplied at 100  $\mu$ g/ml in TE Buffer and each includes a vial of 6X Sample Loading Buffer: 1 ml total volume 15% w/v Ficoll<sup>®</sup> 400, 0.06% w/v Bromophenol blue, 0.06% w/v Xylene cyanol FF, 30 mM EDTA.

### Storage

Store at 2°C-8°C. Contact Technical Service for shelf life information.

### Amounts to Load

To maintain accurate fragment concentrations, it is imperative to spin down any condensate and mix contents thoroughly before opening tubes and withdrawing aliquots.

Mix 2.5  $\mu$ l of the DNA QuantLadder or Reverse DNA QuantLadder with the appropriate amount of 6X loading dye and distilled water (eg, for load volume of 15  $\mu$ l add 2.5  $\mu$ l QuantLadder, 2.5  $\mu$ l 6X loading dye and 10  $\mu$ l distilled water).

**SimplyLoad formats:** Load 5  $\mu$ l of Quant Ladder into a single lane.

Cat No.	Description	Size
50334	DNA QuantLadder	50 appl*
50335	DNA Reverse QuantLadder	50 appl

\*Number of applications

### For Research Use Only.

Manufactured for Lonza BioScience Rockland, Inc.

### Related Products

GelStar<sup>®</sup> Nucleic Acid Gel Stain  
Latitude<sup>®</sup> HT Precast Agarose Gels  
Latitude<sup>®</sup> Precast Agarose Midigels  
PAGER<sup>®</sup> Gold TBE Precast Gels  
Reliant<sup>®</sup> Gel System  
Lonza Agarose

For more information contact Technical Service at (800) 521-0390 or visit our website at [www.Lonza.com](http://www.Lonza.com)

GelStar is covered by U.S. patent 5,436,134. Other U.S. and foreign patents pending.

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