

# 1Kb DNA Ladder

Cat.No. BM201

Storage: at 2-8°C for six months; at -20°C for two years

Concentration: 0.09 mg/ml

## Description

1Kb DNA Ladder is a premixed, ready-to-load molecular weight marker containing eight linear double-stranded DNA fragments. The DNA Ladder is suitable for use as molecular weight standards for agarose gel electrophoresis. The DNA Ladder contains 1.0 -10.0 kb DNA fragments. The 4.0 kb band (100 ng/5 µl) has doubled intensity than other bands to serve as reference band.

## Highlights

- Ready-to-use molecular weight marker for DNA size range of 1.0 to 10.0 kb.
- All bands from restriction enzyme digested plasmids.
- Brighter 4.0 kb reference band

## Composition

1,000 bp, 2,000 bp, 3,000 bp, 4,000 bp (100 ng/5 µl, the double intensity band), 5,000 bp, 6,000 bp, 8,000 bp, 10,000 bp

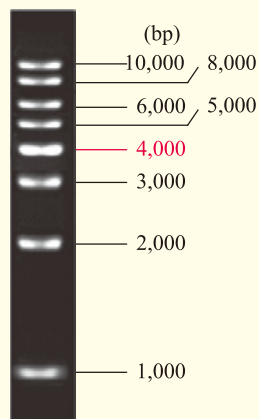
## Storage Buffer

10 mM Tris-HCl (pH 8.4), 10 mM EDTA, 0.02% bromophenol blue, 5% glycerol

## Notes

- In general, we recommend to use 1 µl 1Kb DNA Ladder per mm of gel lane, or 5 µl per gel lane.
- The 1Kb DNA Ladder is not intended for precise quantification of DNA mass but can be used for estimating the molecular weight of linear, double-stranded DNA fragments.
- Do not use the 1Kb DNA Ladder with polyacrylamide gels.
- For long term storage, store at -20°C. If stored at -20°C, mix well after thawing.

1Kb DNA Ladder (5 µl)

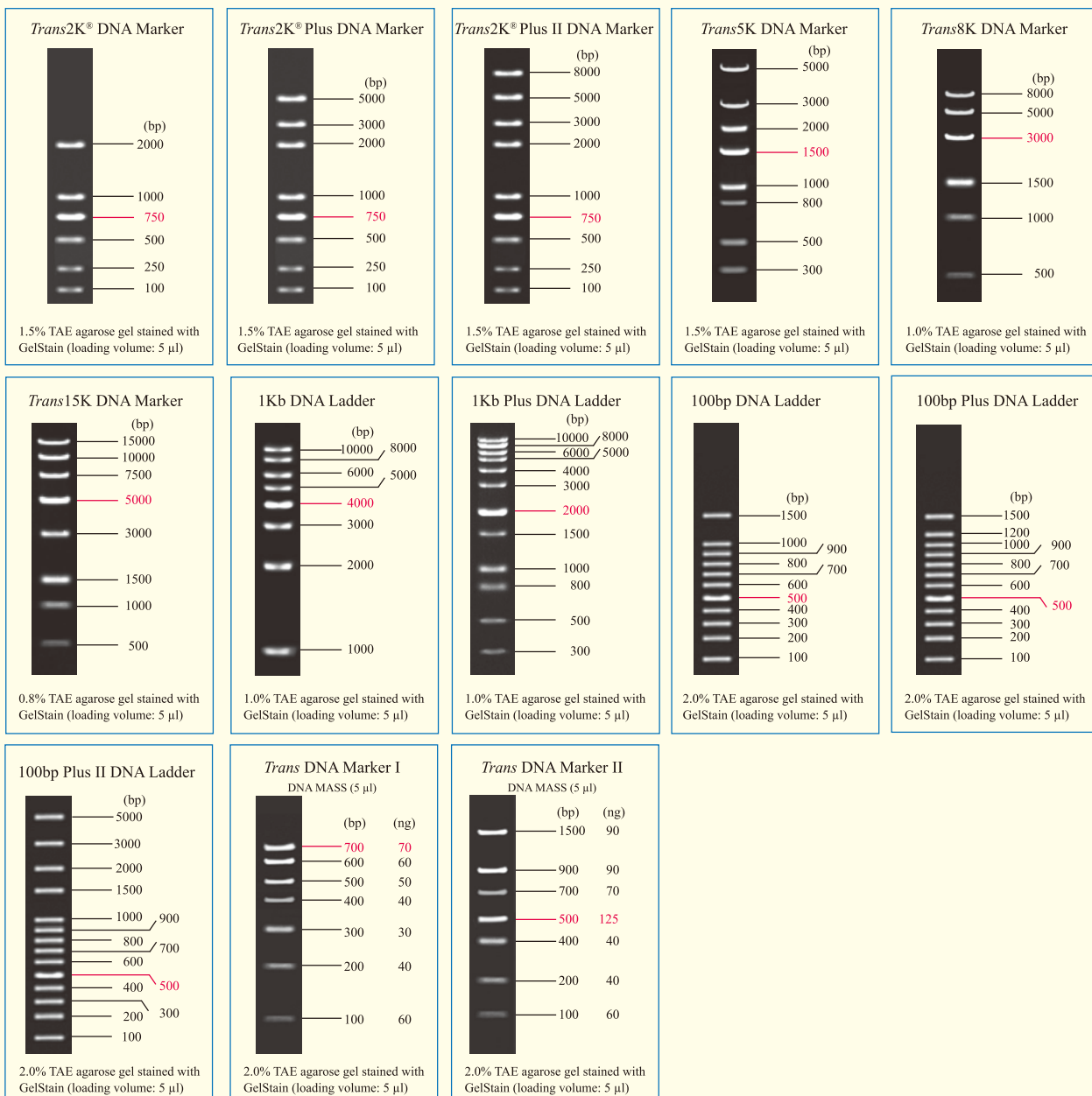


1.0% TAE agarose gel stained with GelStain  
(loading volume: 5 µl)

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## Recommend Agarose Gel Percentages for Trans DNA Markers

DNA Marker	Agarose	DNA Marker	Agarose
<i>Trans2K</i> <sup>®</sup> DNA Marker	1.5%	1Kb DNA Ladder	1.0%
<i>Trans2K</i> <sup>®</sup> Plus DNA Marker	1.5%	1Kb Plus DNA Ladder	1.0%
<i>Trans2K</i> <sup>®</sup> Plus II DNA Marker	1.5%	100bp DNA Ladder	2.0%
<i>Trans5K</i> DNA Marker	1.5%	100bp Plus DNA Ladder	2.0%
<i>Trans8K</i> DNA Marker	1.0%	100bp Plus II DNA Ladder	2.0%
<i>Trans15K</i> DNA Marker	0.8%	<i>Trans</i> DNA Marker I	2.0%
		<i>Trans</i> DNA Marker II	2.0%



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