

## Trans DNA Marker I

Cat.No. BM401

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

Concentration: 0.07 mg/ml

### Description

Trans DNA Marker I is a premixed, ready-to-load molecular weight marker containing seven linear double-stranded DNA fragments. The DNA Ladder is suitable for use as molecular weight standards for agarose gel electrophoresis, it is not recommended to be used for PAGE.

### Highlights

- Ready-to use molecular weight marker for DNA size range of 100 bp to 700 bp.
- Concentration of each band ranges from 30 ng to 70 ng, suitable for target band quantification.

### Composition

100 bp (60 ng/5  $\mu$ l), 200 bp (40 ng/5  $\mu$ l), 300 bp (30 ng/5  $\mu$ l), 400 bp (40 ng/5  $\mu$ l), 500 bp (50 ng/5  $\mu$ l), 600 bp (60 ng/5  $\mu$ l), 700 bp (70 ng/5  $\mu$ l),

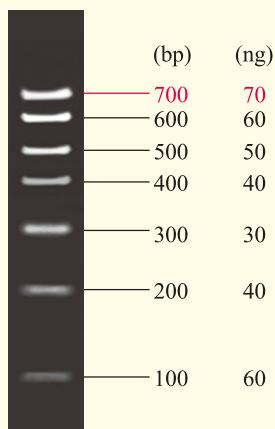
### Storage Buffer

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

### Notes

- Thaw thoroughly before use.
- In general, we recommend to use 1  $\mu$ l Trans DNA Marker I per mm of gel lane, or 5  $\mu$ l per gel lane.
- It is recommended to load with 2.0% TAE agarose gel under 4-10 V/cm

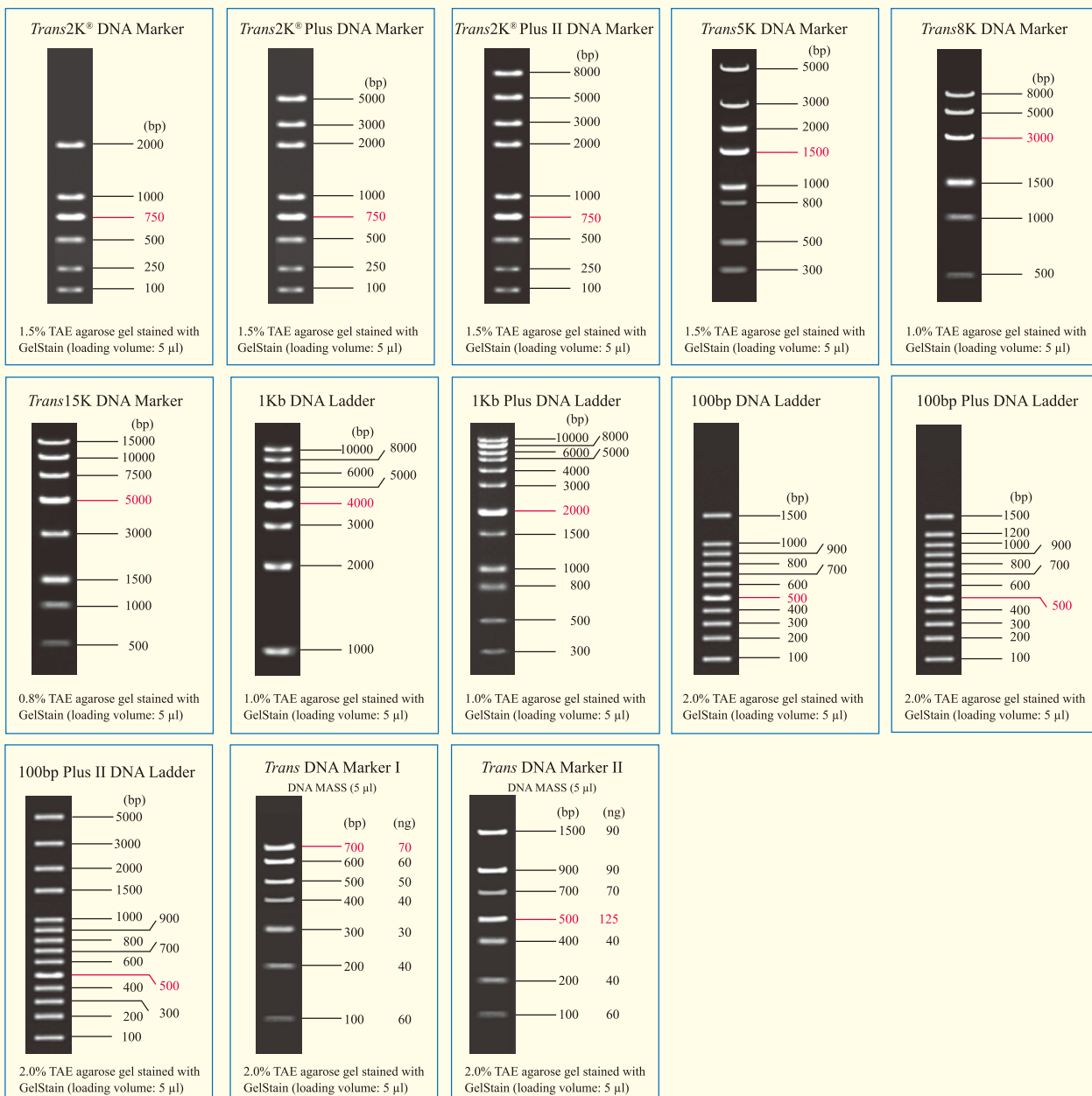
Trans DNA Marker I  
DNA MASS (5  $\mu$ l)



2.0% TAE agarose gel stained with GelStain  
(loading volume: 5  $\mu$ l)

## 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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