

Trans2K[®] Plus II DNA Marker

Cat.No. BM121

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

Concentration: 0.10 mg/ml

Description

Trans2K[®] Plus II DNA Marker is a premixed, ready-to-load molecular weight marker containing 9 linear double-stranded DNA fragments ranging in size from 100 - 8000 bp. This DNA ladder is suitable for use with agarose gel electrophoresis and is not recommended for polyacrylamide gel electrophoresis (PAGE).

Highlights

- Contains 1× loading buffer.
- The 750 bp band (100 ng/5 µl) serves as the reference.
- All remaining band concentrations are half of the reference band (50 ng/5 µl).

Composition

100 bp, 250 bp, 500 bp, 750 bp (100 ng/5 µl, the double intensity band), 1,000 bp, 2,000 bp, 3,000 bp, 5,000 bp, 8,000 bp

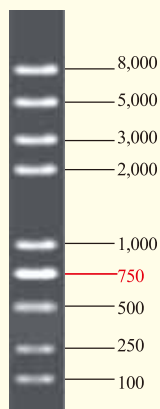
Storage Buffer

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 Trans2K[®] Plus II DNA Marker per mm of gel lane, or 5 µl per gel lane.
- The Trans2K[®] Plus II DNA Marker 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 Trans2K[®] Plus II DNA Marker with polyacrylamide gels.
- For long term storage, store at -20°C. If stored at -20°C, mix well after thawing.

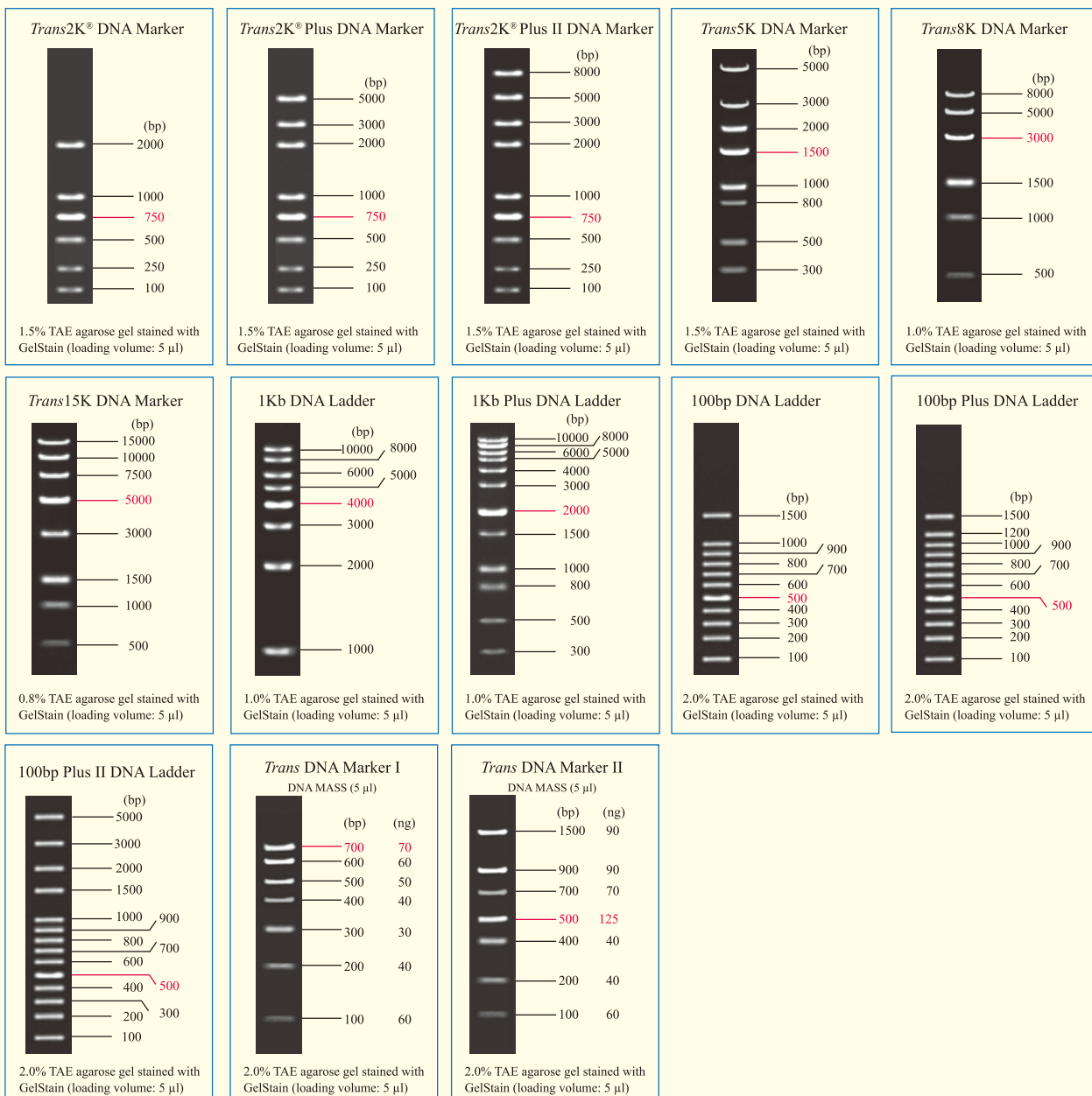
Trans2K[®] Plus II DNA Marker (5 µl)



1.5% TAE agarose gel stained with GelStain
(loading volume: 5 µl)

Recommend Agarose Gel Percentages for Trans DNA Markers

DNA Marker	Agarose	DNA Marker	Agarose
<i>Trans2K</i> [®] DNA Marker	1.5%	1Kb DNA Ladder	1.0%
<i>Trans2K</i> [®] Plus DNA Marker	1.5%	1Kb Plus DNA Ladder	1.0%
<i>Trans2K</i> [®] 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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