100bp DNA Ladder

Cat.No. BM301

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

Concentration: 0.12 mg/ml

Description

100bp 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 100 bp -1.5 kb DNA fragments. The 500 bp 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 100 bp to 1.5 kb.
- All bands from restriction enzyme digested plasmids.
- Brighter 500 bp reference band

Composition

100 bp, 200 bp, 300 bp, 400 bp, **500** bp, 600 bp, 700 bp, 800 bp, 900 bp, 1,000 bp, 1,500 bp

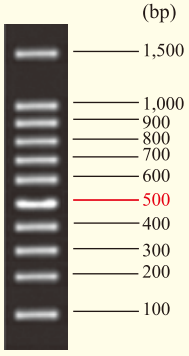
Storage Buffer

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

Notes

- In general, we recommend to use 100bp DNA Ladder per mm of gel lane, or 5 µl per gel lane.
- The 100bp 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 100bp DNA Ladder with polyacrylamide gels.
- For long term storage, store at -20°C. If stored at -20°C, mix well after thawing.

100bp DNA Ladder (5 µl)



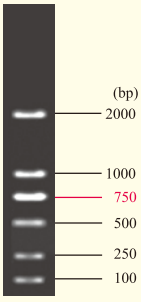
2.0% TAE agarose gel stained with GelStain

(loading volume: 5 µl)

Recommend Agarose Gel Percentages for Trans DNA Markers

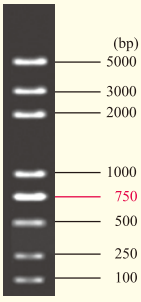
DNA Marker	Agarose	DNA Marker	Agarose
*Trans*2K® DNA Marker	1.5%	1Kb DNA Ladder	1.0%
*Trans*2K® Plus DNA Marker	1.5%	1Kb Plus DNA Ladder	1.0%
*Trans*2K® Plus II DNA Marker	1.5%	100bp DNA Ladder	2.0%
*Trans*5K DNA Marker	1.5%	100bp Plus DNA Ladder	2.0%
*Trans*8K DNA Marker	1.0%	100bp Plus II DNA Ladder	2.0%
*Trans*15K DNA Marker	0.8%	*Trans* DNA Marker I	2.0%
		Trans DNA Marker II	2.0%

*Trans*2K® DNA Marker



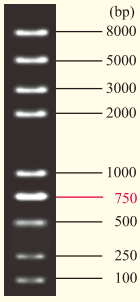
1.5% TAE agarose gel stained with GelStain (loading volume: 5 µl)

*Trans*2K® Plus DNA Marker



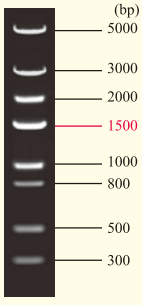
1.5% TAE agarose gel stained with GelStain (loading volume: 5 µl)

*Trans*2K® Plus II DNA Marker



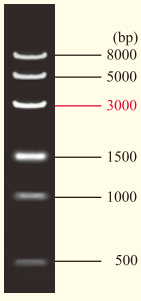
1.5% TAE agarose gel stained with GelStain (loading volume: 5 µl)

*Trans*5K DNA Marker



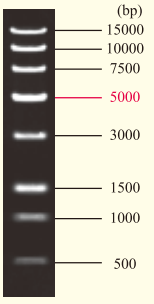
1.5% TAE agarose gel stained with GelStain (loading volume: 5 µl)

*Trans*8K DNA Marker



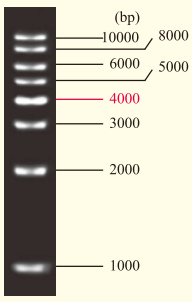
1.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

*Trans*15K DNA Marker



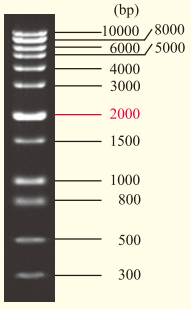
0.8% TAE agarose gel stained with GelStain (loading volume: 5 µl)

1Kb DNA Ladder



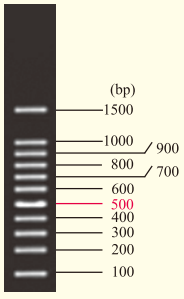
1.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

1Kb Plus DNA Ladder



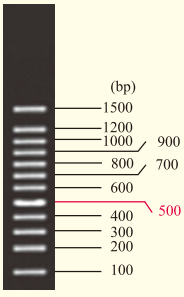
1.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

100bp DNA Ladder



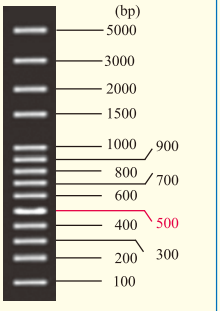
2.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

100bp Plus DNA Ladder



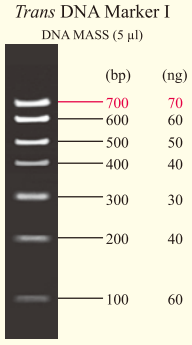
2.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

100bp Plus II DNA Ladder



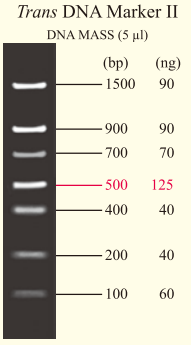
2.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

Trans DNA Marker I



2.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

Trans DNA Marker II



2.0% TAE agarose gel stained with GelStain (loading volume: 5 µl)

FOR RESEARCH USE ONLY