

## Trans5K<sup>®</sup> DNA Marker

Cat.No. BM141

Storage: at 4°C for six months; at -20°C for two years

Concentration: 0.095 mg/ml

### Description

Trans5K<sup>®</sup> DNA Marker 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 300 bp -5.0 kb DNA fragments. The 1.5 kb band (125 ng/5  $\mu$ l) has doubled intensity than other bands to serve as reference band.

### Highlights

- Ready-to use molecular weight marker for DNA size range of 300 bp to 5.0 kb.
- All bands from restriction enzyme digested plasmids.
- Brighter 1.5 kb reference band.

### Composition

300 bp, 500 bp, 800 bp, 1,000 bp, 1,500 bp (125 ng/5  $\mu$ l, the double intensity band), 2,000 bp, 3,000 bp, 5,000 bp

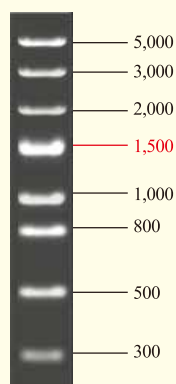
### Storage Buffer

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

### Notes

- In general, we recommend to use Trans5K<sup>®</sup> DNA Marker per mm of gel lane, or 5  $\mu$ l per gel lane.
- The Trans5K<sup>®</sup> 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 Trans5K<sup>®</sup> DNA Marker with polyacrylamide gels.
- For long term storage, store at -20°C. If stored at -20°C, mix well after thawing.

Trans5K<sup>®</sup> DNA Marker (5  $\mu$ l)



1.5% TAE agarose gel stained with GelStain  
(loading volume: 5  $\mu$ l)

FOR RESEARCH USE ONLY