

50bp DNA Marker (Ready-to-Use)

Catalog No.	Description	Size
DM02-01	12 bands, range from 100bp to 3 kb, ready-to-use	1 x 500 µl
DM02-02	12 bands, range from 100bp to 3 kb, ready-to-use	5 x 500 µl

Description:

Ready-to-Use 100bp DNA Marker is a pre-mixed molecular weight marker containing orange G & xylene cyanol FF as a tracking dye.

The DNA Ladder consists of proprietary plasmids which are digested to completion with appropriate restriction enzymes to yield 12 bands suitable for use as molecular weight standards for agarose gel electrophoresis. The DNA includes fragments ranging from 100-3,000 base pairs. The 500bp and 1,500bp bands have increased intensity to serve as reference bands. The DNA concentration is 108 µg/ml.

Effective Size Range: 100bp to 3,000 bp

Recommended Load: 5 µl

Storage Temperature: 4°C

General notes:

1. Ready-to-Use 100bp DNA Marker is stable for at least 6 months at 25°C.
2. For long term storage, store at 4°C or -20°C. If stored at -20°C, mix well after thawing.

Usage notes:

1. **Preparation of DNA:** The double-stranded DNA is digested to completion with appropriate restriction enzymes, phenol extracted and equilibrated in storage buffer.
2. We recommend loading 5 µl of Ready-to-Use 100bp DNA marker per gel lane.
3. The Ready-to-Load 100bp DNA marker is not intended for precise quantification of DNA mass but can be used for approximating the mass of DNA in comparably intense samples of similar size.

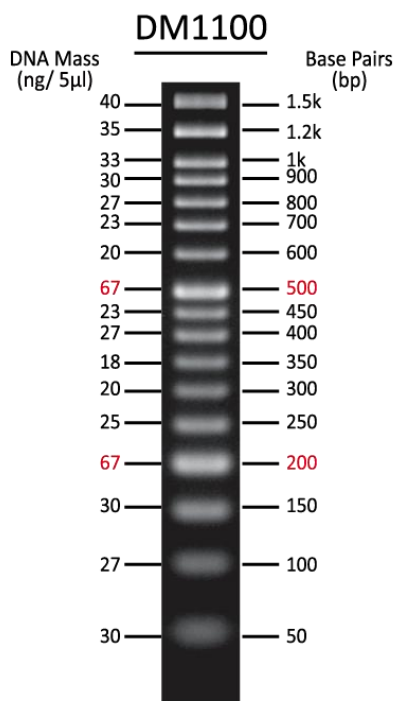


Figure: 50bp DNA Ladder visualized by ethidium bromide staining on a 2% TAE agarose gel. Mass values are for 5 µl/lane.



Bioland Scientific LLC, 14925 Paramount Blvd., Suite C, Paramount, CA 90723

Tel: (562)602-8882 Fax: (562)733-6008 Email: service@bioland-sci.com Online: www.bioland-sci.com