

1 KB (0.25-10 kb) DNA Ladder

MDM3100

Size: 50 µg / 500 µl

5 µl per well for 100 gel applications

Storage

Store at 25°C for 6 mont

Store at 4°C for 12 months

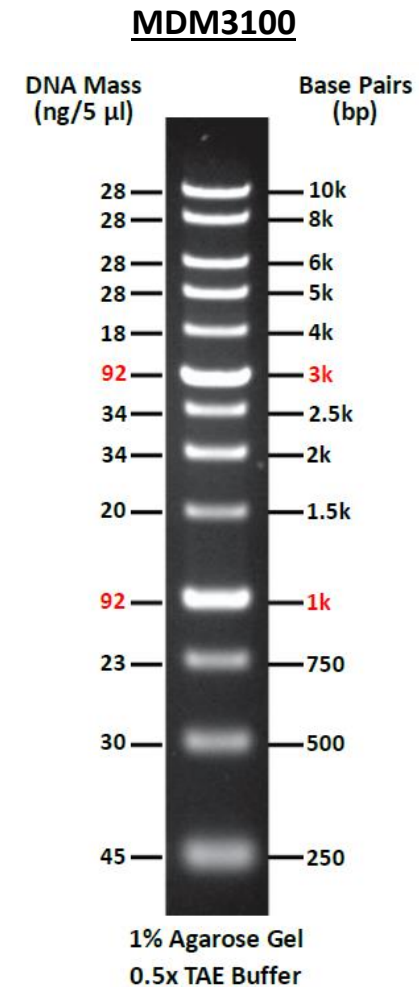
Store at -20°C for 24 monthsAll products are for research use only.

Description

The MDM3100 1 KB (0.25-10 kb) DNA Ladder is a ready-to-use DNA ladder, which is pre-mixed with loading dye for direct gel loading. The DNA ladder MDM3100 is composed of 13 individual DNA fragments: 10k, 8k, 6k, 5k, 4k, 3k, 2.5k, 2k, 1.5k, 1k, 750, 500, and 250 bp derived from a mixture of PCR products and specifically digested plasmid DNA. This product contains two enhanced bands (3 kb and 1 kb) for easy reference. In addition, two tracking dyes, Xylene cyanol FF and Bromophenol blue which mimic the migration of 4,000 bp and 500 bp dsDNA during electrophoresis are also added for real time monitoring.

Buffer

10 mM Tris-HCl (pH 8.0), 10 mM Na-EDTA,
0.005% Bromophenol blue, 0.005% Xylene cyanol FF
and 10% Glycerol.



Note: This DNA Ladder was not designed for precise quantification of DNA mass, but can be used for approximating the mass of DNA by intensity comparison.