

## 50bp plus DNA Ladder RTU

18 AUG 2022

Catalog Number	Size	Concentration
DM017-R500	100 reactions	74.05 µg / 500 µl

### Storage Conditions

Stable for up to 12 months at 4°C.

Stable for up to 24 months at -20°C.

### Description

50bp plus DNA Ladder RTU (DM017-R500) is a 17 fragments molecular weight standard for agarose gel electrophoresis. Using the unique combination of a number of proprietary plasmids digested with appropriate restriction enzymes and PCR products yields fragments ranging from 50-1,500 base pairs. The 4 bands at 500, 1000, 1200, and 1500 base pairs have specifically increased in intensity to serve as the reference bands. The approximate mass of DNA in each band is provided (0.7405µg per load) for approximating the mass of DNA in comparably intense samples of similar size.

### Kit Content(s)

50bp plus DNA ladder RTU	500µl x 1 vial
--------------------------	----------------

### Source

PCR products and double-stranded DNA digested with appropriate restriction enzymes are phenol extracted and equilibrated to 10 mM Tris-HCl (pH 8.0) and 10 mM EDTA.

### Required materials but not provided

- Horizontal Electrophoresis system
- Power supplies
- Vortex or equivalent
- Microcentrifuge

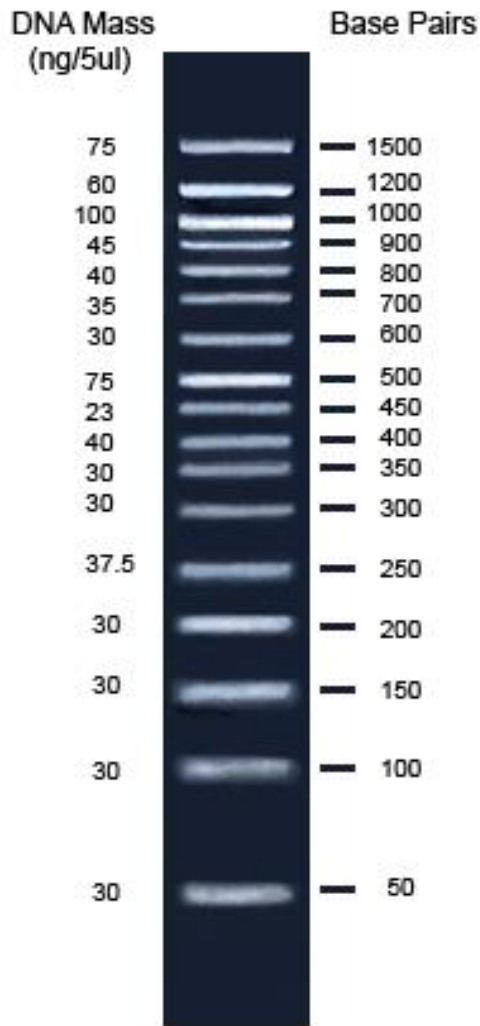
### Reaction Setup

5 µl / well, containing bromophenol blue & xylene cyanol FF as tracking dyes.

**Range:** 50 - 1,500 bp

**Number of bands:** 17





2% TAE agarose Gel