

## **100 bp DNA Ladder H3 RTU**

Cat. No. MWD100

Size: 50µg / 500µl

### **Description**

A unique combination of PCR products and a number of proprietary plasmids digested with appropriate restriction enzymes to yield 12 fragments, suitable for use as molecular weight standards for agarose gel electrophoresis. The DNA includes fragments ranging from 100-3,000 base pairs. The 500 and 1,500 base pair bands have increased intensity to serve as reference points.

The approximate mass of DNA in each band is provided (0.5 µg a load) for approximating the mass of DNA in comparably intense samples of similar size.

### **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 1 mM EDTA.

**Range:** 100-3,000 bp

**Number of bands:** 12

**Concentration:** 100 µg/ml

**Package:** 50ug/500ul

**Recommended Load:** 5 µl / well

Containing orange G & xylene cyanol FF as tracking dyes.

### **Storage**

Store at 25°C for 12 months

Store at -20°C for 24 months

DNA Mass  
(ng/5 $\mu$ l)

Base Pairs

40

— 3,000

**70**

— **1,500**

50

— 1,000

40

— 900

40

— 800

30

— 700

30

— 600

**90**

— **500**

40

— 400

30

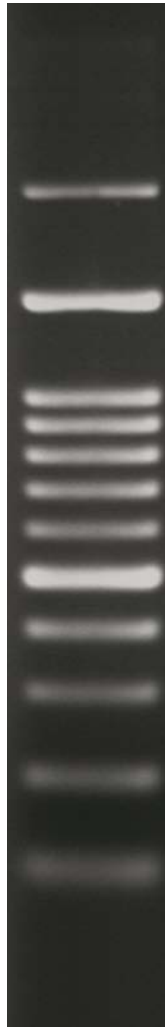
— 300

40

— 200

40

— 100



1.5 % TAE agarose gel