

## DATASHEET

Version: 201807

### PCR DNA Ladder

**Cat. No.** M106O-100

**Size:** 100 Lanes

**Volume:** 500 $\mu$ l

**Description:**

The GenScript PCR DNA Ladder is composed of seven bands of 100 bp, 300 bp, 500 bp, 700 bp, 1,000 bp, 1,500 bp, and 2,000 bp. The 500 bp, which is of band higher concentration, is easily distinguishable from the others. The GenScript PCR DNA Ladder is ideal for routine agarose gel electrophoresis of PCR products or any other DNA fragments sized between 100 bp and 2,000 bp.

**Concentration:**

400 ng/5  $\mu$ l in 10 mM Tris-HCl (pH7.5), 1 mM EDTA

**Storage:** Store at -20°C

**Recommended Loading Volume:**

5  $\mu$ l (or 1  $\mu$ l/mm width of gel well) with 1  $\mu$ l of 6X DNA loading buffer

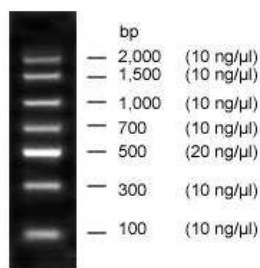
**Note:**

- 6X DNA loading buffer can be ordered separately.

**Quality Control:**

- Agarose gel analysis shows that the bands between 100 bp and 2 kb are accurate in size and readily distinguishable. The 500 bp band is always at least three times more intense than the brightest of the other bands.
- Incubation of 5  $\mu$ l of the PCR DNA Ladder in restriction enzyme buffer overnight at 37°C shows an absence of visible degradation

### Example



2.0% agarose gel