

# 1 Kb DNA Ladder

DNA Molecular Weight Markers

[Cat. No.]  
D-1040

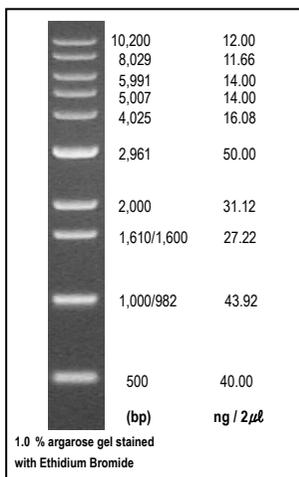
[Lot No.]  
05J051111F11A08

[Volume]  
500  $\mu\text{l}$

[Concentration]  
130 ng/ $\mu\text{l}$

● **Description** : 1 Kb DNA Ladder is specially designed for determining the size of double strand DNA from 500 to 10,000 base pairs. The DNA Ladder consists of DNA fragments 0.5, 0.982, 1.0, 1.6, 1.61, 2.0, 3 (2.961), 4 (4.025), 5 (5.007), 6 (5.991), 8 (8.029) and 10 (10.200) kilo base pairs. The 2.961 Kb band is approximately two to three times brighter for easy identification.

● **Application** : Size confirmation of DNA fragments.



● **Features**

- ready-to-use
- Recommended Loading : 1.5 - 2.0  $\mu\text{l}$ /5 mm lane width
- Typical Loading Number of Lanes : 250 - 333 (5 mm lane width)
- Range (bp) : 500 - 10,200
- Number of Bands: 10

● **Storage Buffer**

- 10 mM Tris-HCl (pH 8.0)
- 1 mM EDTA
- 2.5% Ficoll
- 0.005% Bromphenol Blue
- 0.005% Xylene Cyanol

● **Storage Condition**

This product is shipped on dry ice and should be stored at  $-20^{\circ}\text{C}$  until use.

● **Quality control assay** : Agarose gel analysis shows that 10 bands are clearly distinguishable. The 2,961 bp band must be more intense than any other band.

● **Note**

- The DNA ladder can be applied directly onto an agarose gel.
- Do not heat before loading.
- Repeated freezing and thawing should be avoided.

● **Ordering Information**

[Related BIONEER DNA Molecular Weight Marker Products]

| Cat. No. | Products   |
|----------|--|
| D-1020   | 25/100 bp Mixed DNA Ladder, 250 $\mu\text{l}$                            |
| D-1030   | 100 bp DNA Ladder, 250 $\mu\text{l}$                                     |
| D-1040   | 1 Kb DNA Ladder, 500 $\mu\text{l}$                                       |
| D-1050   | Lambda DNA / <i>Hind</i> III Markers, 100 $\mu\text{g}$                  |
| D-1060   | Lambda DNA / <i>Eco</i> R I Markers, 100 $\mu\text{g}$                   |
| D-1070   | Lambda DNA / <i>Eco</i> R I + <i>Hind</i> III Markers, 100 $\mu\text{g}$ |
| D-2510   | Lambda DNA, 250 $\mu\text{g}$  |

**Note**

For research use only. Not for use in diagnostic or therapeutic procedures.