

**[Cat. No.] D-1022, D-1032, D-1037, D-1042**

**Introduction**

BIONEER DNA Ladders (-dye) are specially designed for sizing and approximate quantification of a wide range of double-stranded DNA sizes.

**Specifications**

|                                 | D-1022          | D-1032          | D-1037          | D-1042          |
|---------------------------------|-----------------|-----------------|-----------------|-----------------|
| Size Range (bp)                 | 25-2,000        | 100-2,000       | 100-10,200      | 500-10,200      |
| Concentration                   | 180 ng/μl       | 120 ng/μl       | 96 ng/μl        | 120 ng/μl       |
| Recommended Loading Volume      | 5 μl/5 mm lane  | 5 μl/5 mm lane  | 5 μl/5 mm lane  | 5 μl/5 mm lane  |
| Recommended Buffer Condition    | 0.5X TBE buffer | 0.5X TBE buffer | 0.5X TBE buffer | 0.5X TBE buffer |
| Number of Bands                 | 17              | 13              | 19              | 10              |
| Typical Loading Number of Lanes | 100             | 100             | 100             | 100             |
| Volume                          | 500 μl          | 500 μl          | 500 μl          | 500 μl          |
| Ready-to-use                    | No              | No              | No              | No              |

\* Note: For research use only. Not for use in diagnostic or therapeutic procedures.

**Storage Buffer**

BIONEER DNA Ladders (-dye) are supplied in 10 mM Tris-HCl (pH 8.0) and 1 mM EDTA.

**Storage**

Store BIONEER DNA Ladders (-dye) at -20°C.

**Protocol for loading**

|                                                    |      |
|----------------------------------------------------|------|
| DNA Ladder (-dye)                                  | 5 μl |
| 6X Agarose Gel Loading Buffer<br>(Cat. No. C-9029) | 1 μl |

Mix gently and run agarose gel electrophoresis.

**Precautions**

- Do not heat before loading.
- Repeated freezing and thawing should be avoided.
- Do not reuse TAE and TBE buffer several times.

**Online Resources**



Korean



English

Visit our **product page** for additional information and protocols.

**Ordering Information**

| Description                | Cat. No. |
|----------------------------|----------|
| 25/100 bp Mixed DNA Ladder | D-1022   |
| 100 bp DNA Ladder          | D-1032   |
| 100 bp Plus DNA Ladder     | D-1037   |
| 1 kb DNA Ladder            | D-1042   |

**Notice**

BIONEER corporation reserves the right to make corrections, modifications, improvements, and other changes to its products, services, specifications, or product descriptions at any time without notice.

**Explanation of Symbols**



Batch Code



Catalog Number



Caution



Consult Instructions For Use



Contains Sufficient for <n> tests



Research Use Only

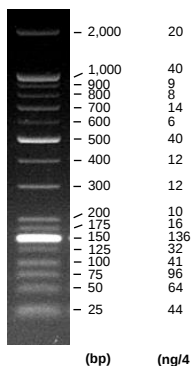


Temperature Limitation



Use-by Date

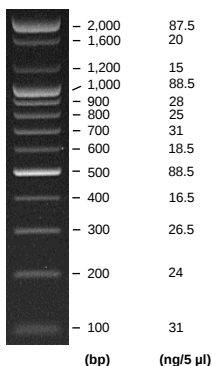
### Size Description



2.0% TBE agarose gel stained with Ethidium Bromide

**[Cat. No. D-1022]**

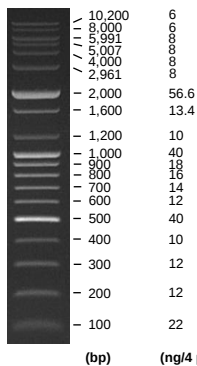
**25/100 bp Mixed DNA Ladder (-dye)**



1.5% TBE agarose gel stained with Ethidium Bromide

**[Cat. No. D-1032]**

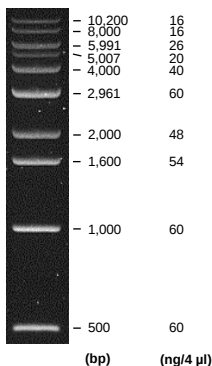
**100 bp DNA Ladder (-dye)**



1.0% TBE agarose gel stained with Ethidium Bromide

**[Cat. No. D-1037]**

**100 bp Plus DNA Ladder (-dye)**



1.0% TBE agarose gel stained with Ethidium Bromide

**[Cat. No. D-1042]**

**1 kb DNA Ladder (-dye)**