100 bp Plus DNA Ladder (-dye)

DNA Molecular Weight Markers

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[Cat. No.]
D-1037

[Lot No.]

[Volume]
500 ㎕

[Concentration]
96 ng/㎕

Consult Instruction For Use

Research Use Only

Catalog Number

Batch Code

Contains Sufficient for (n) tests

Caution, Consult Accompanying documents

USE BY

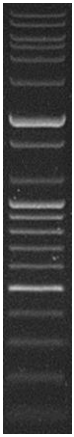
Temperature Limitation

Note

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

Bioneer shall not in any event be liable for incidental or special damage of any kind resulting from any use except on application(s).

- **Description :** 100 bp Plus DNA Ladder is specially designed for determining the size of double strand DNA from 100 to 10,200 base pairs. The DNA Ladder consists of 19 double strand DNA fragments ranging in sizes from 100 to 1,000 bp in 100 bp increments, and additional fragments of1,200, 1,600, 2,000, 2,961, 4,000, 5,007, 5,991, 8,000, 10,200 bp.
- **Application :** Size confirmation of DNA fragments.



(bp)	(ng / 4㎕)
10,200	6
8,000	6
5,991	8
5,007	8
4,000	8
2,961	8
2,000	56.6
1,600	13.4
1,200	10
1,000	40
900	18
800	16
700	14
600	12
500	40
400	10
300	12
200	12
100	22

- **Application example**

100 bp Plus DNA Ladder (-dye)	5 ㎕
6X Loading Buffer	1 ㎕

Run agarose gel electrophoresis.

- **Features**
  - Range (bp): 100 ~ 10,200
  - Number of Bands: 19
- **Storage Buffer**
  - 10 mM Tris-HCl (pH 8.0)
  - 1 mM EDTA
- **Recommend Electrophoresis Condition**
  - 1.0% agarose gel.
  - 0.5X TBE buffer.
- **Storage Condition**
  - This product is shipped on dry ice and should be stored at –20°C until use
- **Note**
  - Do not heat before loading.
  - Repeated freezing and thawing should be avoided.
  - If TAE and TBE buffer is reused several times, DNA bands occasionally appear smeared in agarose gel electrophoresis. Because the buffering capacity of TBE buffer is higher, it can be used longer than TAE buffer.
- **Ordering Information**

Cat .No.	Product
D-1020	25/100 bp Mixed DNA Ladder
D-1022	25/100 bp Mixed DNA Ladder (-dye)
D-1030	100 bp DNA Ladder
D-1032	100 bp DNA Ladder (-dye)
D-1035	100 bp Plus DNA Ladder
D-1037	100 bp Plus DNA Ladder (-dye)
D-1040	1 kb DNA Ladder
D-1042	1 kb DNA Ladder (-dye)
C-9029	6X Agarose gel Loading Buffer
C-9036	GreenStar™ Nucleic Acid Staining Solution

- **Notice**

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