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[Cat. No.]
D-1040

[Lot No.]

[Volume]
500 μ l

[Concentration]
130 ng/ μ l



Consult
Instruction
For Use



Research
Use
Only



Catalog
Number



Batch
Code



Contains
Sufficient for
(n) tests



Caution,
Consult
Accompanying
documents



USE BY



Temperature
Limitation

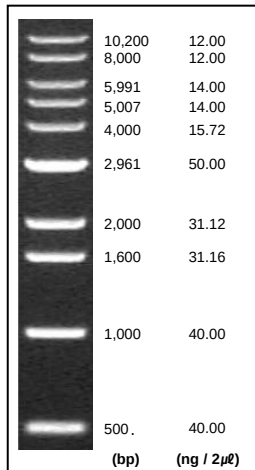
Note

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** : 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, 1.0, 1.6, 2.0, 3 (2.961), 4 (4.000), 5 (5.007), 6 (5.991), 8 (8.000) and 10 (10.200) kilobase 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 μ 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

• **Recommend Electrophoresis Condition**

- 1% agarose gel.
- 0.5X TBE buffer.
- Agarose use for small DNA analysis.

• **Storage Condition**

- This product is shipped on dry ice and should be stored at -20°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.
- If TAE 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-1010	10 bp DNA Ladder, 100 μ l (522 ng/ μ l)
D-1020	25/100 bp Mixed DNA Ladder, 250 μ l (150 ng/ μ l)
D-1030	100 bp DNA Ladder, 250 μ l (135 ng/ μ l)
D-1035	100 bp Plus DNA Ladder, 500 μ l (80.7 ng/ μ l)
D-1040	1 kb DNA Ladder, 500 μ l (130 ng/ μ l)
D-1050	Lambda DNA / Hind III Marker, 500 μ l (200 ng/ μ l)
D-1060	Lambda DNA / EcoR I Marker, 500 μ l (200 ng/ μ l)
D-1070	Lambda DNA / EcoR I + Hind III Marker, 500 μ l (200 ng/ μ l)
D-2510	Lambda DNA, 500 μ l (250 μ g)
D-1030-1	AccuLadder 100 bp DNA Size Marker, 320 μ l x 2 (54 ng/ μ l)
D-1040-1	AccuLadder 1 kb DNA Size Marker, 500 μ l x 2 (65 ng/ μ l)