

# DL 5,000 DNA Marker

**Code No. 3428A**      **Size: 500  $\mu$ l**  
**(for 100 lanes)**  
**Conc.: 110 ng/ $\mu$ l**

**Form:**

10 mM Tris-HCl, pH 8.0  
6 mM EDTA  
6% Glycerol  
0.0083% Bromophenol Blue  
0.0033% Xylene Cyanol

**Storage:**

-20°C  
Once thawed, this product should be stored at 4°C.  
Avoid freeze-thaw cycles.

\* 2 years from date of receipt when unused and stored properly at -20°C. Once opened or thawed, store at 4°C and use sooner to avoid contamination.

**Description:**

This marker consists of 9 fragments (100, 250, 500, 750, 1,000, 1,500, 2,000, 3,000, and 5,000 bp). The 1,000 bp fragment is brighter than the other fragments and serves as a visible reference indicator. They are all double-stranded DNA fragments. Since this product is premixed with loading dyes and glycerol, it is possible to apply this product to gel electrophoresis directly.

<u>Fragment</u>	<u>Fragment Size (bp)</u>
A	5,000
B	3,000
C	2,000
D	1,500
E	1,000
F	750
G	500
H	250
I	100

**Usage:**

Used as a DNA molecular size marker in agarose gel electrophoresis.

**Application example:**

Apply 5  $\mu$ l of DNA Ladder on agarose gel.  
Run agarose gel electrophoresis using ex. 1% Agarose L03 (Cat. #5003).  
Perform staining with EtBr or SYBR® Green I Nucleic Acid Gel Stain (Cat. #5760A/5761A).

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**Note**

This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals. Also, do not use this product as food, cosmetic, or household item, etc. Takara products may not be resold or transferred, modified for resale or transfer, or used to manufacture commercial products without written approval from Takara Bio Inc. If you require licenses for other use, please contact us by phone at +81 77 565 6973 or from our website at [www.takara-bio.com](http://www.takara-bio.com). Your use of this product is also subject to compliance with any applicable licensing requirements described on the product web page. It is your responsibility to review, understand and adhere to any restrictions imposed by such statements. All trademarks are the property of their respective owners. Certain trademarks may not be registered in all jurisdictions.

