

# 100 bp DNA Ladder (Dye Plus)

**Code No. 3422A**      **Size: 500  $\mu$ l**  
**(for 100 lanes)**  
**Conc.: 130 ng/ $\mu$ l**

## Description:

This marker consists of 10 fragments between 100 bp and 1,000 bp in multiples of 100 bp and an additional fragment at 1,500 bp. The 500 bp band containing triple the mass of the other fragments, serves as a visible reference indicator; all other fragments appear with equal intensity on the gel. 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 agarose gel electrophoresis directly.

Fragment	Size (bp)
A	1,500
B	1,000
C	900
D	800
E	700
F	600
G	500
H	400
I	300
J	200
K	100

## Form:

10 mM	Tris-HCl, pH 8.0
1 mM	EDTA
6%	Glycerol
0.1%	SDS
0.005%	Bromophenol Blue

## Storage:

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

\* Once opened or thawed, store at 4°C and use earlier avoiding contamination.

## 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. 3% PrimeGel™ Agarose PCR-Sieve (Cat. #5810A). Perform staining with EtBr or SYBR® Green I Nucleic Acid Gel Stain (Cat. #5760A/5761A)\*.

\* Not available in all geographic locations. Check for availability in your area.

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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 6972 or from our website at [www.takarabio.com](http://www.takarabio.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.

