

Wide-Range DNA Ladder (50-10,000 bp)

Code No. 3415A **Size: 1.0 ml**
(for 100 lanes)

* 2 years from date of receipt under proper storage conditions.

Form:

10 mM	Tris-HCl, pH 8.0
1 mM	EDTA
6%	Glycerol
0.02%	Bromophenol Blue
0.02%	Xylene Cyanol
0.02%	NaN ₃

Description:

This product consists of 16 fragments in wide range between 50 and 10,000 bp. For distinguishing band pattern easily, several double intensity bands and a doublet at 1,400 and 1,550 bp are included in this marker.

Since this product is premixed with loading dyes and glycerol, it is possible to apply this product to gel electrophoresis directly.

Loading volume is 10 μ l per lane. 10 μ l of this product contains the following approximate amount of DNA in each band.

<u>Fragment size (bp)</u>	<u>DNA amount (ng/band)</u>
10,000	30
8,000	30
6,000	45
4,000	60
3,000	85
2,000	150
1,550	100
1,400	100
1,000	120
750	30
500	60
400	20
300	40
200	30
100	20
50	15

Storage:

-20°C

Once thawed, this product should be stored at room temperature. Avoid freeze-thaw cycles.

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

Application example:

Wide-Range DNA Ladder 10 μ l

Run agarose gel electrophoresis using ex. 3% PrimeGel™ Agarose PCR-Sieve (Cat. #5810A), 1% PrimeGel Agarose LE 1-20K GAT (Cat. #5801A).

Perform staining with EtBr, or SYBR® Green I Nucleic Acid Gel Stain (Cat. #5760A/5761A).

Note:

This product contains sodium azide as a preservative. Sodium azide reacts with many heavy metals to form explosive compounds. It is critical that a large amount of water be used when disposing.

SYBR is a registered trademark of Life Technologies Corporation.
PrimeGel is a trademark of Takara Bio Inc.

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.

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.

