

Product Data Sheet

Product Name: DNA Ladder(0.1-10 kb, 21 bands)
Cat. No.: GF55001

Product description

GF55001 is produced following cGMP (current Good Manufacturing Practice) standards. This product is used for estimating and rough quantification of the sizes of double-stranded DNA molecules ranging from 100 base pairs to 10 kilobases in agarose gel electrophoresis. It utilizes a ready-to-use DNA molecular weight standard containing bromophenol blue.

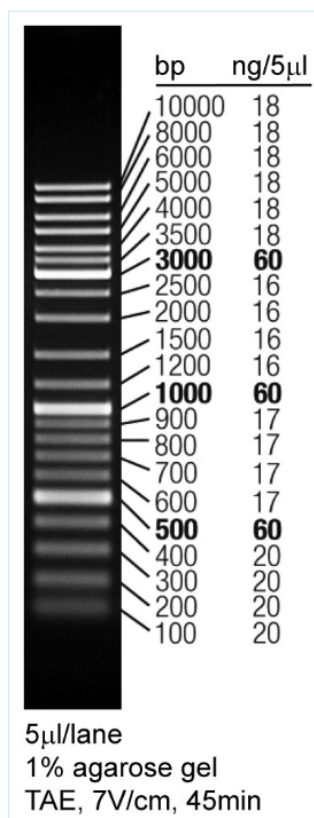
This product consists of 21 linear double-stranded DNA bands at sizes of 100, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1200, 1500, 2000, 2500, 3000, 3500, 4000, 5000, 6000, 8000, and 10000 base pairs, catering to the molecular weight reference needs of various routine DNA electrophoresis analyses.

The bands at 500bp, 1000bp, and 3000bp are marked in bold, with higher brightness, making it easier to distinguish the bands.

This product minimizes operation time to the maximum extent, reducing the potential for nucleic acid contamination and ensuring clear DNA bands.

product specification

| | | | |
|---------|---------------------------------|-------|-------|
| GF55001 | DNA Ladder(0.1-10 kb, 21 bands) | 250µl | 500µl |
|---------|---------------------------------|-------|-------|



Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Product transportation and storage conditions

【Shipping】 This product is shipped with ice packs.

【Storage】 Store at -20°C for up to 1 year or at 2-8°C for up to 6 months. Avoid repeated freeze-thaw cycles.

Instructions for use

1. This product is suitable for 1.0~2.0% agarose gel electrophoresis (it is recommended to add ethidium bromide/EB or other DNA dyes to the gel preparation). It is not recommended for polyacrylamide gel electrophoresis.
2. Use a pipette to take 5~10 L of this product and add it to the loading well.
3. Begin electrophoresis after adding the DNA sample to be tested.
4. For electrophoresis buffer, either 1X TAE or 0.5~1X TBE can be used, at a voltage of 6~8V/cm, running for 30~60 minutes; or use Biosun® rapid DNA electrophoresis buffer at a voltage of 20~30 V/cm, running for 10~15 minutes.
5. After the electrophoresis is completed, observe the electrophoresis bands under different excitation lights based on the chosen dye.

Precautions

1. Upon testing, the band pattern of this product remains unchanged when placed at room temperature for 3 months. However, it's recommended to store at low temperatures to prevent band degradation due to unintentional nuclease contamination.
2. Do not heat before use.
3. Replace the electrophoresis buffer promptly when its buffering capacity decreases to avoid affecting resolution.
4. This product is for scientific research purposes only by professionals. It should not be used for clinical diagnosis or treatment, nor should it be used in food or drugs, and it should not be stored in regular households.
5. For your safety and health, please wear a lab coat and use disposable gloves when handling.

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