

KPL GeneRuler™ Biotinylated DNA Ladder

Catalog No.
5960-0029 (600-0008)

Size
100 µL

DESCRIPTION

The KPL GeneRuler™ Biotinylated DNA Ladder provides a convenient pre-labeled molecular weight marker ideal for use on Southern blots. The digest contains a mixture of labeled and unlabeled DNA, allowing visualization either through ethidium bromide staining or enzymatic detection as desired. Labeled and unlabeled DNA fragments migrate uniformly.

CONTENT

The ladder is supplied in 10 mM Tris-HCl/1.0 mM EDTA. Sufficient material is supplied to produce 20-50 marker lanes.

STORAGE/STABILITY

Store at -20°C. Stable for a minimum of one year from date of receipt when stored at -20°C. The ladder will remain stable through at least 20 freeze-thaw cycles.

USE

Depurination is sometimes recommended for complete nicking of Genomic DNA. This will result in loss of some labeled fragments from the ladder. Therefore, use of more ladder in procedures where depurination is required is recommended.

Gel Loading:

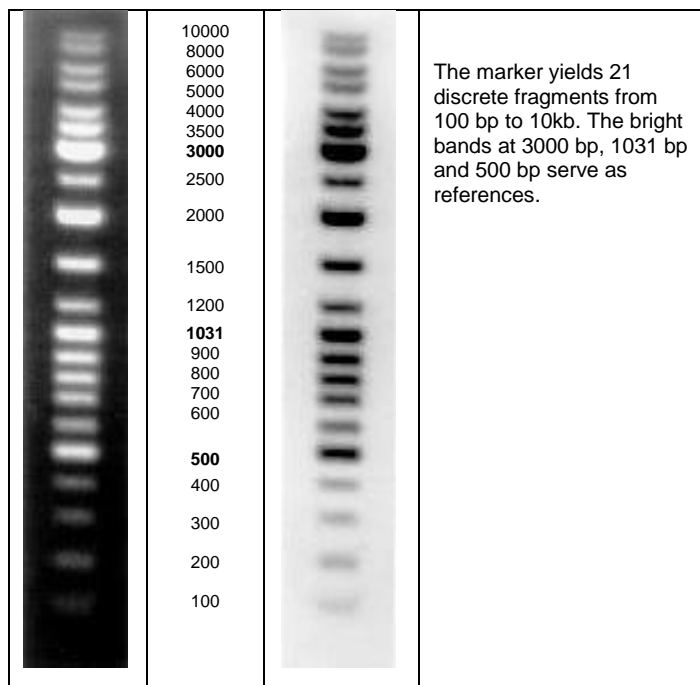
1. Mix 2 µL (if no depurination is required) to 5 µL (if depurination is required) of KPL GeneRuler Biotinylated DNA Ladder with the appropriate volume of gel loading buffer.
2. Load ladder onto an agarose gel and perform gel electrophoresis following standard procedures.

Following electrophoresis:

1. Visualize bands by staining with ethidium bromide or SYBR green and view using a UV transilluminator.
2. Perform transfer to nylon membrane.
3. Detect using one of KPL's Detector™ Hybridization and Detection Kits, or by using enzyme-labeled streptavidin and chemiluminescent or colorimetric substrate.

PRODUCT SAFETY AND HANDLING

This product is considered non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Product may be disposed via sanitary sewer.



RELATED PRODUCTS

	CAT. NO.
KPL Biodyne™ B Nylon Membrane	5960-0025 (60-00-50)
KPL Detector HRP Chemiluminescent Blotting Kit	5910-0027 (54-30-00)
KPL Detector PCR DNA Biotinylation Kit	5910-0031 (60-01-01)
KPL Herring Sperm DNA	5920-0003 (60-00-14)
KPL 20X SSC	5150-0021 (50-85-06)

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.

GeneRuler™ is a trademark of Fermentas.