

DNA Marker Lambda Hind III / phiX174 Hae III

Cat. Number: PF00900

Fragment sizes (base pairs)

19 Fragments **72 118 125 194 234 271 281 310 564 603 872 1078**
1353 2027 2322 4361¹⁾ 6557 9416 23130¹⁾ bp

Kit Contents

- 1 tube DNA Marker Lambda Hind III / phiX Hae III (50 µg) for up to 100 loadings at 0.5 µg/lane
- 1 tube with 1 mL sterile 1 x loading buffer

DNA Marker Lambda Hind III / phiX Hae III was manufactured from plasmids with specific sites of mutation²⁾, following restriction digestion, de-proteination with phenol/chloroform, precipitation, de-salting and spectroscopic analysis. The marker is lyophilized for long-term storage.

1) These fragments contain the cohesive ends of the bacteriophage Lambda. They can hybridise to one high-molecular band. If necessary, heat for 5min at 65°C and cool down on ice.

2) One mutagenesis site per plasmid is protected legally. Amplification of the plasmids is not allowed without our written consent.

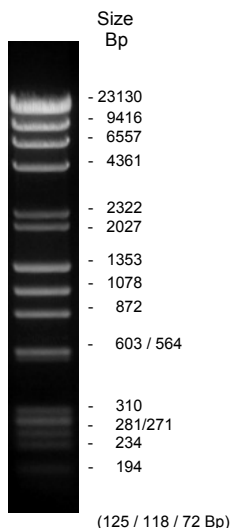
Instructions

Before first usage

DNA marker should be dissolved in 1 mL sterile 1 x loading buffer to obtain a final concentration of 0.5 µg/10 µL or depending on other intended use in sterile, double distilled water or TE. Dissolve DNA marker by gently shaking it for 10 min at room temperature in the appropriate buffer.

1 x loading buffer, sterile

TRIS/HCl pH 7.5	10 mM
Na-acetate	5 mM
EDTA	2 mM
Glycerol	10 %
Bromophenol blue	0.02 %
Xylenecyanol blue	0.015 %



Sample loading on agarose gels

For agarose gel electrophoresis 0.25 – 1 µg DNA marker per lane are recommended for fluorescence detection of ethidium bromide stained gels.

Storage

The lyophilized marker is stable at room temperature for > 4 years. Once dissolved, the DNA marker should be stored at 4 °C. Repeated (>20 x) thawing and freezing will damage the DNA marker and should be avoided.

Restrictions in use

This product may only be used *in-vitro* for analytical research purposes. It is not intended for diagnostic purposes or any use in human or animal systems.