

DNA Marker pBR322 Hae III

Cat. Number: PF00800

Fragment sizes (base pairs)

22 Fragments **8 11 18 21 51 57 64 80 89 104 123 124 184 192 213**
 234 267 434 458 502 540 587 bp

Kit Contents

- 1 tube DNA Marker pBR322 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 pBR322 Hae III was manufactured from plasmids with specific sites of mutation¹⁾, following restriction digestion, de-proteination with phenol/chloroform, precipitation, de-salting and spectroscopic analysis. The marker is lyophilized for long-term storage.

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

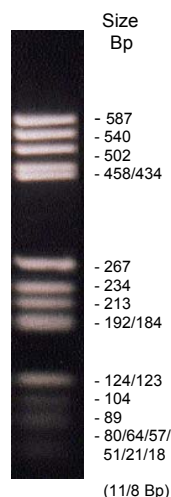
Instructions

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.