

CERTIFICATE OF ANALYSIS

**pBR322 DNA/AluI Marker, 20,
ready-to-use**

#SM0123 50µg (for 100 applications)

Lot: 1401

Concentration: 0.1µg/µl

Supplied with: 1ml [6X Loading Dye Solution](#)

**Store: at room temperature or at +4°C for periods
up to 6 months.**

For longer periods store at –20°C.

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In total 2 vials.

Description

pBR322 DNA/AluI Marker, 20, is premixed with a Loading Dye Solution at a total DNA concentration of 0.1µg/µl and can be directly applied onto agarose gel. The DNA Marker contains the following 17 discrete fragments (in base pairs): 908, 659, 656, 521, 403, 281, 257, 226, 100, 90, 63, 57, 49, 46, 19, 15, 11.

Storage and Loading Buffer

10mM Tris-HCl (pH 7.6), 10mM EDTA,
0.005% bromophenol blue, 0.005% xylene cyanol FF
and 10% glycerol.

6X Loading Dye Solution

10mM Tris-HCl (pH 7.6), 0.03% bromophenol blue,
0.03% xylene cyanol FF, 60% glycerol and
60mM EDTA.

Quality Control Assay Data

Agarose gel electrophoretic analysis of homogeneity of
AluI fragmentation patterns.

Quality authorized by:



Jurgita Zilinskiene

RECOMMENDATIONS FOR USE

- Vortex gently just prior to use.
- Do not heat before loading.
- Apply 0.1µg (1µl) of the DNA Marker per 1mm of agarose gel lane width.
- Following electrophoretic separation on gel, visualize the DNA bands by ethidium bromide staining.

PRODUCT USE LIMITATION.

This product is developed, designed and sold exclusively *for research purposes and in vitro use only*. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Please refer to www.fermentas.com for Material Safety Data Sheet of the product.

Revised 15.10.2004

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