

CERTIFICATE OF ANALYSIS

pBR322 DNA

#SD0041 100µg

Lot:

Concentration: 0.5µg/µl

Store at -20°C.

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In total 1 vial.

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 16.04.2004

Description

pBR322 DNA is isolated from *E.coli* (*dam*⁺, *dcm*⁺) and purified by ion exchange chromatography. The molecule is a double-stranded circle, 4361 base pairs in length. GeneBank/EMBL accession numbers J01749, K00005, L08654, M10282, M10283, M10286, M10356, M10784, M10785, M10786, M33694, V01119. For pBR322 DNA Restriction Map see Fermentas Catalog, section "Appendix", or www.fermentas.com/techinfo/NucleicAcids/mappbr322.htm

Storage Buffer

10mM Tris-HCl (pH 7.6), 1mM EDTA.

Quality Control Assay Data

Analysis	Specification	Result
1% agarose/TAE gel electrophoretic analysis of 0.5 and 1µg of DNA	More than 90% of the observed DNA is in the supercoiled form	passed
Absorption ratio: $A_{260/280}$	1.8-2.0	1.93
1% agarose/TAE gel electrophoretic analysis of homogeneity of AluI, BsuRI and HindIII fragmentation patterns	sharp and clearly distinguishable (without additional and smeary) bands	passed

Quality authorized by:



Jurgita Zilinskiene