

CERTIFICATE OF ANALYSIS

pUC57 DNA

#SD0171 50µg

Concentration: 0.5µg DNA/µl

Lot:

Store at -20°C.

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.

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Description

pUC57 DNA is isolated from *E.coli* (*dam*⁺, *dcm*⁺) and purified by ion exchange chromatography. The molecule is a double-stranded circle, 2710 base pairs in length. GeneBank/EMBL accession number Y14837.

For pUC57 DNA Restriction Map see Fermentas Catalog, section "Appendix", or

www.fermentas.com/techinfo/NucleicAcids/mappuc57.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	1.8
1% agarose/TAE gel electrophoretic analysis of homogeneity of NdeI+HindIII and HindIII fragmentation patterns	sharp and clearly distinguishable (without additional and smeary) bands	passed

Quality authorized by:



Jurgita Zilinskiene