

**CERTIFICATE OF ANALYSIS**

**pUC18 DNA**

**#SD0051**      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](http://www.fermentas.com) for Material Safety Data Sheet of the product.

Revised 06.01.2003

**Description**

pUC18 DNA is isolated from *E.coli* (*dam*<sup>+</sup>, *dcm*<sup>+</sup>) and purified by ion exchange chromatography. The molecule is a double-stranded circle, 2686 base pairs in length. GeneBank/EMBL accession number L09136.

For pUC18 DNA Restriction Map see Fermentas Catalog, section "Appendix", or

[www.fermentas.com/techinfo/NucleicAcids/mappuc1819.htm](http://www.fermentas.com/techinfo/NucleicAcids/mappuc1819.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