

## pUC19 Plasmid DNA

Catalog # P-102

Lot: 9

Quantity Supplied: 1,000 ug in 1,000 ul

Concentration: 1.0 ug/ul

Storage Buffer: 10 mM Tris-Cl, 1 mM EDTA, pH 8.0

Store at -20 degrees C or below

### Quality control:

1 ug plasmid preparation was analyzed by agarose gel electrophoresis and stained by ethidium bromide. The gel demonstrated plasmid co-migration with control plasmid, an absence of RNA and very little chromosomal DNA contamination. Plasmid was predominantly in the supercoiled state, with a small amount of plasmid in the nicked state. Quantitation of plasmid DNA was performed by measuring the absorbance at 260 nm. Quantitation of plasmid DNA was also performed by flourometry and gave the same concentration result. This confirms that the preparation is free of nucleotides and oligonucleotides.

### Recommendations:

Repeated freeze-thaw cycles have no effect on this product. Vortex gently after thawing. This product may be diluted in TE buffer if it is too concentrated for routine use.

Made in USA by Edward Hyman

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