

pBR322 DNA



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N3033S 093160418041

N3033S

50 µg **Lot: 0931604** **Exp: 4/18**
1,000 µg/ml **Store at -20°C**

Description: pBR322 DNA is a commonly used plasmid cloning vector in *E. coli* (1). The molecule is a double-stranded circle 4,361* base pairs in length (2). pBR322 contains the genes for resistance to ampicillin and tetracycline, and can be amplified with chloramphenicol. The molecular weight is 2.83×10^6 daltons.

Supplied in: 10 mM Tris-HCl (pH 8.0),
1 mM EDTA.

Preparation: pBR322 is isolated from *E. coli* ER2686 (dam⁺dcm⁺ EcoK M⁻) by a standard plasmid purification procedure.

References:

1. Bolivar, F., Rodriguez, R. L., Greene, P. J., Betlach, M. C., Heynecker, H.L. and Boyer, H.W. (1977) *Gene* 2, 95–113.
2. Watson, N. (1988) *Gene* 70, 399–403

*Sequencing data from Watson (confirmed at New England Biolabs, Inc.) has shown pBR322 to be 4,361 base pairs, not 4,363 base pairs as previously reported.



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CERTIFICATE OF ANALYSIS

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