pBR322 Plasmid DNA from *Escherichia coli* RRI

Catalog Number D9893
Storage Temperature 2–8 °C

CAS RN 9334-17-9
Accession Number J01749

**Product Description**

One of the most commonly used cloning vectors, pBR322, confers resistance to ampicillin and tetracycline. The DNA sequence of the entire plasmid has been published.¹

The product is isolated from *Escherichia coli* (ATCC 37017) and supplied as a lyophilized powder. It is lyophilized from a solution containing 1 mM Tris-HCl, pH 7.5, 1 mM NaCl, and 1 mM EDTA.

Molecular weight: \(2.9 \times 10^6\) Da
4,363 base pairs

Note: One \(A_{260}\) unit is equivalent to \(\sim 50\) µg of DNA.

Unique sites: Within the gene for ampicillin resistance:
- *Pst I*
- *Pvu I*
- *Sca I*

Within the gene for tetracycline resistance:
- *BamH I*
- *BspM I*
- *EcoR V*
- *Nhe I*
- *Nru I*
- *Sal I*
- *Sph I*
- *Xma III*

Other unique sites:
- *Aat II*
- *Ava I*
- *Bal I*
- *Bsm I*
- *BspM II*
- *Cla I*
- *EcoR I*
- *Hind III*
- *Nde I*
- *Pvu II*
- *Ssp I*
- *Sty I*
- *Tth111 I*

**Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**References**