pBR322 Plasmid DNA
from Escherichia coli RRI

Catalog Number: D4904
Storage Temperature: –20 °C

CAS RN: 93384-17-9
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

Unique Sites:
Within the gene for ampicillin resistance:
  - Pst I, Pvu I, Sca I

Within the gene for tetracycline resistance:
  - BamH I, BspMI, EcoRV, Nhe I, Nru I, Sal I, Sph I

other unique sites:
  - Aat II, Ava I, Bsm I, Cla I, EcoRI, Hind III, Nde I,
    Pvu II, Ssp I, Sty I, Tth 111 I

Molecular Mass:
  - $2.9 \times 10^6$ Da
  - 4,363 base pairs

The product is supplied in a solution containing 10 mM Tris-HCl, pH 8.0, with 1 mM EDTA.

One A₂₆₀ unit is ~50 µg of DNA.

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.

Storage/Stability
The product ships on dry ice and storage at –20 °C is recommended.

References

JB,KH,MAM 01/07-1