



3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sia.com
sigma-aldrich.com

Product Information

pBR322 PLASMID DNA

Product No. **D9893**

Lot 121K9007

Storage: 2-8 °C

Product Summary

Isolated from: *Escherichia coli*, ATCC 37017

Buffer: Lyophilized from a solution in
1 mM Tris-HCl, pH 7.5, 1mM NaCl,
1 mM EDTA and 76.4 µg/ml DNA

Ratio A_{260}/A_{280} : 1.8

M.W.: 3.1×10^6 Daltons

Base Pairs: 4,365

Unique Sites: Within the gene for ampicillin resistance: Pst I, Pvu I, Sca I; Within the gene for tetracycline resistance: BamH I, EcoR V, Hind III, Nhe I, Nru I, Sal I, Sph I, Xma III; Other unique sites: Aat II, Ava I, Afl III, Bal I, BsmI, Cla I, EcoR I, Nde I, Pvu II, Sna I, Ssp I, Sty I, Tth111 I.

Comments

pBR322 confers resistance to ampicillin and tetracycline.

Note: One A_{260} unit is equivalent to approximately 50 µg of DNA.

Reference

1. Sutcliffe, J.G., Cold Spring Harbor Symp. **43**, 77 (1979).

1/02