



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

Product Information

pBR322 PLASMID DNA

Product No. **D4904**

Lot 066K6119

Product Summary

CAS # [93384-17-9]

Isolated from: *Escherichia coli*, ATCC 37017

Storage: Below 0°C

Storage buffer: 10 mM Tris-HCl,
pH 8.0, 1 mM EDTA

Concentration: 10.6 A₂₆₀ or 259 µg/ml

A₂₆₀/A₂₈₀: 1.9

M.W.: 2.9 x 10⁶ Daltons

Base pairs: 4,363

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, 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, Tth 111.I.

Comments

pBR322 confers resistance to ampicillin and tetracycline.

Note: One A₂₆₀ unit is equivalent to approximately 50 µg of DNA.

Reference

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

8/05