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Product Information

Col E1 PLASMID DNA

Product No. **D9683**

Lot 97H9120

Storage: Below -20°C

PRODUCT SUMMARY

Isolated from: *Escherichia coli*, C600

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

Concentration: 16.9 A_{260} or 845 $\mu\text{g/ml}$

A_{260}/A_{280} : 1.8

M.W.: 4.4×10^6 Daltons

Base pairs: approx. 6,600

Unique Sites: Within the gene for colicin production:
Ava I, EcoR I, Sac II, Sca I, and Sma I.

COMMENTS

Bacterial strains containing the Col E1 plasmid produce Colicin E1, a protein that inhibits the growth of other *Escherichia coli* strains. Col E1 plasmid also imparts immunity to low levels of Colicin E1 for strains carrying the plasmid. Colicin immunity can be tested by challenging strains with Colicin E1 (Product No. C 3026).

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

Reference:

Lovett, M. A., et al., Proc. Nat. Acad. Sci. USA, **71**, 3854(1974).

CAS # [100209-25-4]

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