

## Product Information

### Col E1 PLASMID DNA

Product No. **D9683**

Lot 97H91201

Storage: Below  $-20^{\circ}\text{C}$

### PRODUCT SUMMARY

**Isolated from:** *Escherichia coli*, C600

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

**Concentration:** 15.4  $A_{260}$  or 769  $\mu\text{g/ml}$

$A_{260}/A_{280}$ : 1.9

**M.W.:**  $4.4 \times 10^6$  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  $\mu\text{g}$  of DNA.

#### Reference:

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

CAS # [100209-25-4]

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