

ProductInformation

CALF THYMUS DNA, Ultrapure

Product No. **D 4764**

Lot 015K6097

Storage: 2-8 °C

Product Summary

Approximate Average Size: >13 kb

A_{260}/A_{280} : 2.0

Unit Definition

One unit will yield an A_{260} of 1.0 in 1.0 ml of 1 mM NaCl, 1 mM Tris-HCl pH 7.5, and 1 mM EDTA (1cm light path).

One mg of DNA is equivalent to approx. 20 units.

Description

This DNA has been purified by equilibrium buoyant density gradient ultracentrifugation in cesium chloride. The DNA is collected from the gradient and dialyzed against 1 mM NaCl, 1 mM Tris-HCl, pH 7.5, and 1 mM EDTA. The solution was then adjusted to a concentration of 8.93 A_{260} units of DNA per ml and lyophilized.

Size Determination by Agarose Gel Electrophoresis

Agarose gel electrophoresis was performed on a 0.7% agarose gel using 1X TAE buffer. The gel was electrophoresed for 3 hours at 70 volts. The reference DNA used for size determination was single cut λ DNA (D 4917) and this lot was determined to have an average size of >13 Kb.

References:

1. Burgi, E., and Hershey, A., *Biophys. J.*, **3**, 309 (1963).
2. Mandel, M. and Marmur, J., *Methods Enz.*, Vol. XII, Part B, 195 (1968).

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