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Product Information

Deoxyribonucleic Acid (DNA), from human placenta

Product Number **D 4642**

Storage Temperature 2-8 °C

Product 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 size of the DNA has been determined to be an average of approximately 16 kb with a range of 0.5 to >49 kb. The size was determined by agarose gel electrophoresis. Gel electrophoresis was performed on an 0.4% agarose gel using 1x TAE buffer. The gel was electrophoresed for 10 minutes at 100 volts. The voltage was reduced to 22 volts and electrophoresis was continued for 18 hours.

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 (1 cm light path). One mg of DNA is equivalent to approximately 20 units.

Precautions and Disclaimer

For R&D use only. Not for drug, household or other uses.

Handle as if capable of transmitting infectious agents. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

References

1. Burgi, E., and Hershey, A., Biophys. J., **3**, 309 (1963).

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