CALF THYMUS DNA, ACTIVATED

Product No, D4522
Lot No. 090K9119

PRODUCT SUMMARY

Storage: 2 to 8°C

Suitability: Suitable for use as a substrate for DNA polymerase.

Buffer: Lyophilized from a solution containing 1 mM Tris-HCl, pH 7.5, 1 mM NaCl, 1 mM EDTA and 3.31 mg/ml DNA

Ratio $A_{260}/A_{280}$: 1.8

Nick Translation Assay and Result
10 µg of D4522 were incubated at 37°C for 30 minutes in a 100 µl reaction containing 50 mM Tris-HCl, pH 7.2; 10 mM MgSO$_4$; 1 mM DTT; 0.5 mg/ml BSA; 32.5 µM of dATP, dCTP, dGTP, and TTP, each; 50 µCi of α-$^{32}$P-TTP (3000 Ci/mmol); and 20 units of DNA Polymerase (Sigma Catalog No. D9380). 61% of the percent of total input α-$^{32}$P- TTP counts was incorporated into TCA precipitable material.

COMMENTS

Activated Calf Thymus DNA was prepared by a modification of the method of Aposhian and Kornberg using calf thymus DNA (D1501) and deoxyribonuclease Type I (D9380).

For laboratory use only. Not for drug, household or other uses.

Reference:

CAS # [91080-16-9]