

PRODUCT INFORMATION

Lambda DNA (*dam*⁻, *dcm*⁻)

#SD0021 _____

Lot: —

Concentration: 0.3 µg/µl

Store at -20°C

Description

Linear double-stranded Dam and Dcm methylation-free lambda bacteriophage (*c*/857 Sam7) DNA, 48502 base pairs with a molecular weight of 31.5 x 10⁶ Da. Isolated from a heat-inducible lysogenic *E.coli* GM2163 strain.

GeneBank/EMBL accession numbers J02459, M17233, M24325, V00636, X00906.

For map and features see www.thermoscientific.com/reviewer.

Applications

- Activity and specificity assays of restriction enzymes sensitive to Dam or Dcm methylation.
- Preparation of DNA molecular weight standards.
- Cloning.

Storage Buffer

10 mM Tris-HCl (pH 7.6) and 1 mM EDTA.

CERTIFICATE OF ANALYSIS

DNA concentration is confirmed spectrophotometrically. Identity and homogeneity of DNA is confirmed by digestion by BclI and CfrI and analysis of DNA fragmentation patterns.

Quality authorized by:

 Jurgita Zilinskiene

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.thermoscientific.com/onebio for Material Safety Data Sheet of the product.

© 2012 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries.