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Datasheet for MB-102-0100

DNA (Calf Thymus)

Overview

Description:	DNA (Calf Thymus) - MB-102-0100
Item No.:	MB-102-0100
Size:	100 mg
Applications:	Other

Product Details

Background:	DNA from Calf Thymus is commonly used in the preparation of prehybridization and hybridization solutions. Ideal for DNA Polymerase Assays. These prepared solutions are used to block the non-specific attachment of probe to the surface of a membrane. The DNA solutions are prepared from highly pure, phenol/chloroform-extracted DNA and DNase-free and RNase-free (DEPC-treated) distilled, deionized water.
Synonyms:	Deoxyribonucleic acid from Calf Thymus, Calf Thymus DNA, DNA from calf Thymus
Reagent Type:	DNA

Target Details

Purity/Specificity:	Specially prepared by a method that removes contaminating RNA and protein
Relevant Links:	• SDS

Application Details

Suggested Applications:	Other (Based on references)
Application Note:	Calf Thymus DNA is suitable for use as a substrate for deoxyribonuclease assays and other molecular biological techniques.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	% hyperchromicity 30.9 A260/A280 1.83

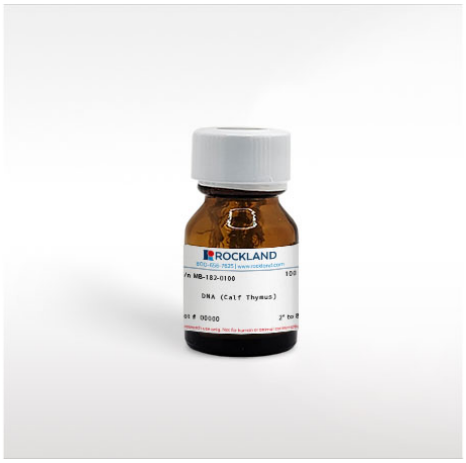
Formulation

Physical State:	Lyophilized
Buffer:	None
Preservative:	None
Stabilizer:	None
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store DNA from calf Thymus at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



Bottle
DNA (Calf Thymus)

References

- Hattori-Muroi K et al. Dietary soy shapes the microbiome to induce commensal-specific T follicular helper cells and IgA production. *Immunity.* (2026)
- Ma Y. et al. Quantitation of DNA by nuclease P1 digestion and UPLC-MS/MS to assess binding efficiency of pyrrolobenzodiazepine. *J Pharm Anal.* (2020)
- Ali SMH et al. Copper (II) complexes of substituted salicylaldehyde dibenzyl semicarbazones: synthesis, cytotoxicity and interaction with quadruplex DNA. *Dalton Trans.* (2014)
- Lee WY ey al. DNA binding and nucleolytic properties of Cu(ii) complexes of salicylaldehyde semicarbazones. *Metallomics.* (2012)
- Chitranshi P et al. Investigation on the interactions of NiCR and NiCR-2H with DNA. *Bioinorg Chem Appl.* (2010)

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