For life science research only.
Not for use in diagnostic procedures.

Glycogen
from mussels

Version: 12
Content Version: March 2021

Cat. No. 10 901 393 001	20 mg 1 ml

Store the product at −15 to −25°C.

1. General Information

1.1. Contents

Vial / bottle	Label	Function / description	Content
1	Glycogen	Molecular biology grade solution in double-distilled water.	1 vial, 20 mg

1.2. Storage and Stability

Storage Conditions (Product)

When stored at −15 to −25°C, the product is stable through the expiry date printed on the label.

Vial / bottle	Label	Storage
1	Glycogen	Store at −15 to −25°C.

1.3. Application

Glycogen is used as a carrier for the precipitation of nucleic acids, such as DNA or RNA. As an inert material, it may replace tRNA or sonicated DNA.

2. How to Use this Product

2.1. Protocols

Example for a typical application

1. Dissolve 5 pg [^{3}H]-labeled calf thymus DNA in 500 µl Tris-HCl, pH 8.0, 1 mM EDTA, 0.4 M LiCl.

2. Add 1 µl Glycogen solution (20 µg Glycogen) as a carrier, then precipitate with 1.2 ml ethanol at −15 to −25°C.
   – Store for 3 hours at −15 to −25°C.

3. Centrifuge 10 minutes at 12,000 × *g* and determine the total radioactivity found in the precipitate.
   Without addition of Glycogen, no precipitation of DNA occurs.

2.2. Parameters

Purity

This glycogen is free from nucleic acids, proteases, DNases, and RNases. It does not interfere with the further treatment of the precipitated nucleic acids with nucleases or modifying enzymes.

Working Concentration

20 µg Glycogen (1 µl solution) precipitates pg-amounts of DNA or RNA from a volume of 1 ml.

3. Additional Information on this Product

3.1. Quality Control

For lot-specific certificates of analysis, see section, **Contact and Support**.

4. Supplementary Information

4.1. Conventions

To make information consistent and easier to read, the following text conventions and symbols are used in this document to highlight important information:

Text convention and symbols	
Information Note: Additional information about the current topic or procedure.	
Important Note: Information critical to the success of the current procedure or use of the product.	
① ② ③ etc.	Stages in a process that usually occur in the order listed.
❶ ❷ ❸ etc.	Steps in a procedure that must be performed in the order listed.
* (Asterisk)	The Asterisk denotes a product available from Roche Diagnostics.

4.2. Changes to previous version

Layout changes.
Editorial changes.

4.3. Trademarks

All product names and trademarks are the property of their respective owners.

4.4. License Disclaimer

For patent license limitations for individual products please refer to:
List of biochemical reagent products.

4.5. Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

4.6. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

4.7. Contact and Support

To ask questions, solve problems, suggest enhancements or report new applications, please visit our **Online Technical Support Site**.

To call, write, fax, or email us, visit **sigma-aldrich.com**, and select your home country. Country-specific contact information will be displayed.

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