



GalactEXO™

Lyophilized

STORE AT

-20°C



FOR RESEARCH USE ONLY

Instructions for Use

GalactEXO™ Lyophilized 2000 units (G1-GM1-020)
Process 2 mg glycoprotein



Preparations

Additional Materials Required

- Reaction buffer: 20mM Tris, pH 6.8.²

2. GalactEXO Lyophilized displays high activity in buffers with pH 5.5-7.5 and over a wide range of **ionic strengths**. Optimization might be required if a buffer other than the recommended reaction buffer is used.

Hydrolysis of β 1-3,4-linked Galactose on Glycoproteins

Sample Preparation

Prepare the glycoprotein in the reaction buffer. The final protein concentration in the reaction should be 0.5-5.0mg/ml.

A1. Prepare GalactEXO

A1.1 Reconstitute GalactEXO in 100 μ l ddH₂O to a concentration of 20 units/ μ l.

A2. Add GalactEXO

A2.1 Add 1 unit GalactEXO / 1 μ g glycoprotein.³

A3. Enzymatic Reaction

A3.1 Incubate for 2-18h at 37°C.

Note: Optimization of enzyme concentrations and incubation time may be needed depending on the substrate.

Hydrolysis of β 1-3,4-linked Galactose on Oligosaccharides

Sample Preparation

Prepare the oligosaccharides in the reaction buffer.

B1. Prepare GalactEXO

B1.1 Reconstitute GalactEXO in 100 μ l ddH₂O to a concentration of 20 units/ μ l.

B2. Add GalactEXO

B2.1 Add 1 unit GalactEXO / 1 pmol oligosaccharides.

B3. Enzymatic Reaction

B3.1 Incubate for 1 h at 37°C.

3. A higher enzyme concentration may increase digestion efficiency of individual glycoproteins. This requires optimization.

USA & Canada

Genovis Inc.

245 First Street, Suite 1800, Cambridge, MA 02142, USA

Phone: 1-855-782-0084 (toll free)

Fax: 1-858-524-3006

EMEA & Asia

Genovis AB

Box 4, SE-24421 Kävlinge, Sweden

Phone: +46 46 10 12 30

Fax: +46 46 12 80 20

support@genovis.com

www.genovis.com



All rights reserved. Genovis products may be covered by one or more patents, trademarks and copyrights owned or controlled by Genovis AB. For more information about commercial rights, please contact the Genovis team at licensing@genovis.com.

Genovis products are intended for research use only. They are not intended to be used for therapeutic or diagnostic purposes in humans or animals.

All goods and services are sold subject to Genovis' General Terms and Conditions of Sale.

© Genovis AB