

GLYcoDiag is a French company specialized in glycoscience and microbiota for the biotech, pharma, veterinary, cosmetic and diagnostic industries. Our unique experience provides the services and products needed to speed up your projects.

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Product of the month: *Sambucus nigra* lectin (SNA)

***Sambucus nigra* agglutinin (SNA)** is isolated from living tissue of elderberry bark. SNA agglutinates animal and human erythrocytes with a slight preference for the blood type A over type B and type O. **SNA binds preferentially to sialic acid α 2,6-Gal (found in N-glycans) or sialic acid α 2,6-GalNAc (found in O-glycans) motifs than sialic acid α 2,3-Gal residues.** SNA is widely used for the isolation and fractionation of sialylated oligosaccharides and glycoconjugates and as reagent for the studies of soluble or cellular biomarkers.

SNA lectin is available in different forms, from the pure lectin to more cutting-edge products.

Reference	Description	Quantity
L1237-50	SNA lectin ¹	50 mg
L1237-10	SNA lectin ¹	10 mg
L1237-5	SNA lectin ¹	5 mg
LG1261-1	SNA LEctPROFILE gel ²	1 mL
LG1261-2	SNA LEctPROFILE gel ²	2 mL
LG1261-5	SNA LEctPROFILE gel ²	5 mL
LP1261	SNA LEctPROFILE plate	1 x 96-wells plate

Figure 1. SNA related products. 1. labelled with biotin or fluorescent dyes is available upon request. 2. LEctPROFILE gels are affinity gel chromatography where lectins are immobilized and are used for the purification of glycoconjugates.

Focus on: LEctPROFILE plate

The LEctPROFILE plate is a lectin array proposed by GLYcoDiag to highlight specific types of structures and/or to indicate the potential modifications of glycans with respect to reference structures. The relevant choice of a range of lectins makes it possible to validate the structure of glycans in a short time and with simple basic equipment.

Each lectin is immobilized at the bottom of microtiter plates (96-well format), intended for absorbance or fluorescence interaction measurements. Up to 28 different lectins (ask us for complete list of lectins) are proposed in a minimum format of 2 strips of 8 wells, in order to compose one or more microplates adapted to the desired analysis.



Name	Content	Analysis mode	Number of simultaneous analysis	Stability
LEctPROFILE plate	1 x 96-wells plate 2x8 well strip per lectin (up to 6 lectins per plate)	Fluorescence or absorbance detection	Up to 10 samples analysed in triplicate at 3 concentrations in direct binding mode	Minimum 6 months at -20 °C

Figure 2. LEctPROFILE plates specifications.

Contact us for more information and quotation about GLYcoDiag's products

News around GLYcoDiag

Bernard, P., Saguet, T., Do, Q. T., Himbert, F., Development of Hinoline as a natural preservative for cosmetic product using bioinspiration and Greenpharma Database, *J. App. Microbiol.*, **2021**, (DOI : 10.1111/jam.15139).

GLYcoDiag's services in the domain of microbiology such as micro-challenge test and determination of minimal inhibition concentration (CMI) was used for the development of Hinoline® for the research of natural preservative for cosmetic product.