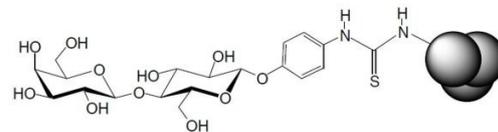


GLYcoDiag is a French company specialized in **glycobiology and glycoanalysis services and products** for the biotech, pharma, veterinary, cosmetic and diagnostic industries. Our unique experience provides the services and products needed to speed up your projects. **Visit our website for more information [www.glycodiag.com](http://www.glycodiag.com)**

### Products of the month: Neoglycoproteins

GLYcoDiag's **Neoglycoproteins** are available in **labeled or unlabeled forms with large range of specificities** :

- Common carbohydrates moieties (e.g. Glc, Man, Fuc, GlcNAc, GalNAc, Rha, ...)
- Sialylated (e.g. NeuAc, NeuGc,  $\alpha$ 2,3,  $\alpha$ 2,6)
- Tumor associated antigen (e.g. T, sTn)
- Galili
- Galactofuranose



**Visit our website to have a look to the complete list of neoglycoproteins available**

### Focus on LEctPROFILE/CarbPROFILE gel

**LEctPROFILE gels** are affinity chromatography gels where lectins are immobilized on a Sepharose 4B fast flow matrix. **LEctPROFILE gels are useful for the purification of polysaccharides / glycoconjugates having specific glycans structures.** LEctPROFILE gels are personalized reagents produced on your request.

**Visit our website to have a look to the LEctPROFILE gels available**



**CarbPROFILE gels** are monosaccharides-Sepharose affinity matrices where the carbohydrates moieties are attached through their non reducing hydroxyl group after pre-activation of sepharose matrix by divinylsulfone (DVS) (see scheme 1 below). CarbPROFILE gels are used for **the purification of a large range of proteins/glycoproteins which recognize specific carbohydrates moieties.** The binding of lectins and/or carbohydrates binding proteins to carbohydrate affinity gel is non-covalent and reversible with high capacity.

**Visit our website to have a look to the CarbPROFILE gels available**



### GLYcoDiag's last publications

#### GLYcoPROFILE used to evaluate sialidases ligands efficiency

C. Assailly, C. Bridot, A. Saumonneau, P. Lottin, B. Roubinet, E-M. Krammer, F. François, F. Vena, L. Landemarre, D. Alvarez Dorta, D. Deniaud, C. Grandjean, C. Tellier, S. Pascual, V. Montembault, L. Fontaine, F. Daligault, J. Bouckaert, S. G. Guin. *Polymers of a transition-state sialyl cation strongly inhibit bacterial sialidases* ChemRxiv, **2020**, DOI: 10.26434/chemrxiv.13013291.v1

GLYcoPROFILE technology was recently used in bacterial sialidases studies to screen a large range of inhibitors. Trough this method, polyvalent compounds based on the transition state sialyl cation 2-deoxy-2,3-didehydro-N-acetylneuraminic (DANA) have shown high affinity for sialidase from *S.pneumoniae* (NanA) from micromolar to picomolar range.