

RAPID AND ACCURATE ANALYSIS OF PROTEIN SIALYLATION

ABSTRACT

The invention relates to methods and kits for the analysis of the sialylation of gluco-proteins. The samples of gluco-protein are incubated separately under three conditions: with beta-galactosidase, with beta-galactosidase + alpha-sialidase, and without an enzyme. After the enzyme treatment, high performance anion exchange chromatography with pulsed amperometric detection (HPAEC PAD) is used to make a quantitative determination of the total galactose in the sample, the non sialylated galactose and the exogenous galactose in the medium. The determination of said values makes it possible to deduce the percentage of sialylation of the gluco-protein.

FIG. 1