ABSTRACT

The present invention is to provide an improved glycosylation assay, glycoanalysis array and an assay system for performing glycosylation assays glycoanalysis array. The glycoanalysis array (102) comprise: a planar substrate (1); and a plurality of contact portions (10) present on a surface of said planar substrate (1) at a plurality of predetermined locations, a plurality of saccharide binding agents are provided in the plurality of contact portions (10), the plurality of saccharide binding agents act saccharide and glycan detectors and binding agents in predetermined locations on said planar substrate (1), each of said plurality of saccharide binding agents is present at a plurality of separate predetermined locations (10) on said surface, wherein said plurality of separate predetermined locations (10) are provided with a plurality of concentrations of said saccharide binding agent in a concentration curve; said planar substrate (1) is provided to contact with a sample comprising a glycoprotein, such that said glycoprotein binds specifically to at least one saccharide binding agent at the plurality of contact portions (10) and forms a detectable binding complex, such that a baseline for non-specific binding is determined according to said concentration curve.