



July 3, 2023

To whom it may concern,

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Launch of research-use reagent “LecChip® 45-uni” for glycan profiling analysis

Precision System Science Co., Ltd. (“PSS” hereafter, based in Matsudo, Chiba, President & Representative Director: Hideji Tajima) starts supplying a research-use reagent “LecChip® 45-uni” for glycan^{*1} profiling analysis (product code: E3100) from July 3, 2023.

“LecChip® 45-uni” is a lectin microarray product in which a group of lectins that specifically recognize glycans are immobilized on a glass slide. By profiling binding patterns of the glycoprotein of measuring object with lectins bearing various glycan tropism, the reagent can identify the characteristic of glycosylation^{*2} of measuring molecule.

PSS will continue to enhance the lineup of glycan profiling analysis products to contribute to further development of glycan profiling analysis.

*1: Glycan: multiple monosaccharides compound in chain structure. A glycosylated protein is called “glycoprotein”. Glycan is deeply involved with life phenomenon or disease and known as “the third life chain” or “face of the cell”.

*2: Glycan profiling analysis method developed by National Institute of Advanced Industrial Science and Technology (AIST) in 2005 and has been used for a long time in various research domains. A dedicated scanner of evanescent excitation fluorescence type (“GlycoStation® Reader” manufactured by emukk LLC) is used for detection.

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