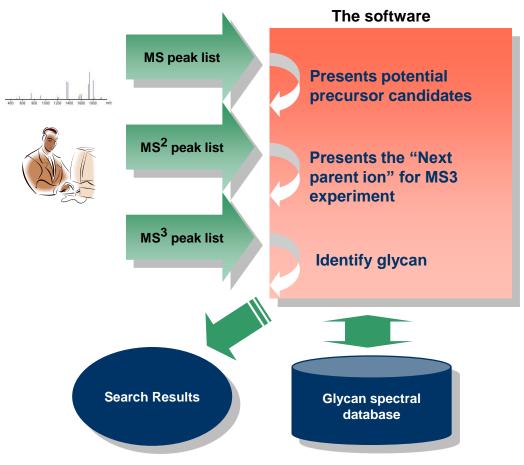


Search Software for Accurate Glycan Analyzer

The Search Software for Accurate Glycan Analyzer is a software to identify glycan by searching glycan spectral database using multistage tandem mass spectra of unknown samples as query

- Selects and presents a list of potential precursor candidates out of the MS peaks for glycan identification.
- Selects and presents the "Next parent ion" among the fragment ions in MS/MS spectra for MS³ experiment to rapidly identify the glycan.
- The glycan identification can be conducted including discrimination of isomers, which was difficult with conventional analyses.

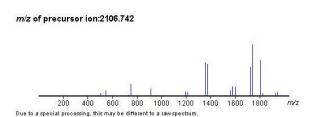


Supporting multi-stage experiments for glycan identification with the intelligent MSⁿ measurement method

In the structural determination of glycan, it will be important to select which fragment ions to use as the parent ion for the next measurement. In this search software, the candidate parent ion to use for the next measurement is to be presented. Measurers can easily conduct the experiment for glycan identification, performing the MSⁿ measurements of the peaks in the order presented with this search software. Execution of search and access to candidate parent ions can be easily done by using the client software by Shimazu.

Glycan spectral database

The MSⁿ spectra of more than 200 carbohydrates including N-linked glycans and O-linked glycans are stored in the glycan spectral database for accurate glycan analyzer. It is possible to see the images of the peak list for the mass spectra not only the structure of estimated candidate glycan by the search.



Search results

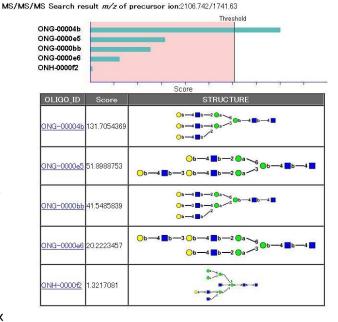
Candidate glycans existing in the database will be presented in the order of the scores. The optimized threshold for the identification of glycan is also represented in the result. The result can be viewed with nothing but a web browser.

Requirements for System

The client software for accurate glycan analyzer by Shimazdu

- Windows XP/Vista
- 1GB or more of RAM
- hard disks 100GB

Web browsers: Internet Explorer 7 or more, FireFox 3.5 or more





https://www.mki.co.jp/english/

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 A spectral database is a work with which the National Institute of Advanced Industrial Science and Technology owns the right.
We received the license to sell the database.