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Japan's Shimadzu announces release of new liquid chromatograph software

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Peakintelligence for LC is an algorithm incorporating AI assistance to search for chromatography peaks



Shimadzu Corporation has announced the release of Peakintelligence for LC, software incorporating a proprietary for a liquid chromatographyÃ¯Â¼Ë?LCÃ¯Â¼â?°with algorithm developed using artificial intelligence (AI) technology.

The algorithm was developed based on AI-learning using LC data from Ajinomoto Co., Inc. The algorithm can process data with the same skill level as experienced analysts automatically (about a 90% match rate) in about 75% less time.

Shimadzu has been developing an algorithm using high-quality analysis data and decided to collaborate in response to Ajinomoto Co.'s request to establish a data processing flow that eliminates dependence on specific personnel. Peakintelligence for LC will be sold to users of Shimadzu LC for R&D and quality control applications in the pharmaceutical, food, and chemical fields.

The algorithm can be implemented immediately without adjusting any parameters and efficient workflows can be established without relying on specific individuals.