

Press Release

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analytica

Simplified method development in HPLC

***Nexera Method Scouting* increases productivity/
Software for secure operation and fast analysis start-up /
Universal solution for HPLC method development**

Shimadzu, one of the world leaders in analytical instrumentation, presents its *Nexera Method Scouting* system at the *Live Lab Food Analysis* exhibit in hall B2. This system solution tests up to six columns and eight mobile phases while simplifying method development in high-performance liquid chromatography. *Method Scouting* provides important and reliable data for determination of analysis conditions. The *Method Scouting* Solution software simplifies batch creation and ensures a fast and reliable route to analysis start-up.

The *Nexera Method Scouting* system is based on the *Nexera* UHPLC, an all-round LC system for ultra-high-speed analysis.

The *Method Scouting* system enables automated switching between up to 96 analysis conditions, thereby increasing productivity. The system enables continuous data acquisition overnight and contributes to an efficient method development process. The analysis schedule is generated automatically in the *Method Scouting* Solution software. The LabSolutions (Shimadzu's HPLC software) browser function supports users in finding a suitable method.

High degree of automation reduces analysis preparation time and avoids errors

The *Nexera Method Scouting* system reduces analysis preparation time and human error, which can occur when manually setting the method and analysis schedule. Mobile phases and columns can be selected from libraries. Additional scouting conditions required, such as gradient slope, can be specified in the *Method Scouting* Solution software. Column rinsing and equilibration can also be adjusted in the software. Color-coding of the column and solvent tubings corresponds with the color-coding in the software's graphical user interface, further increasing the ease of use.

Peak assignment with LC/MS

The *Method Scouting* system can be connected to a mass spectrometer, which further supports peak assignment. Peaks can then be identified without the need for reanalysis of individual sample components.

Universal solution for HPLC method development

In combination with the Drylab chromatography modelling software for further method optimization and the Validat toolbox for method validation, the *Nexera Method Scouting* software provides a good basis for efficient HPLC method development and implementation.

Live demo during analytica 2014

The *Nexera Method Scouting* system can be seen daily at the *Live Lab Food Analysis* in hall B2.

- 1 - 3 April at 11 am, 1 pm and 3 pm
- 4 April at 11 am and 1 pm



Figure 1: *Method Scouting* is Shimadzu's productive system solution for simplified method development in high-performance liquid chromatography.

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