

Japan's Shimadzu releases Nexera FV ultra high performance liquid chromatograph for online analysis

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Nexera FV is based on the Nexera series, Shimadzu's mainstay liquid chromatograph



Japan-based Shimadzu has released the Nexera FV ultra high performance liquid chromatograph (UHPLC) for online analysis. In online analysis, samples are collected automatically from the manufacturing process and injected consecutively into the analysis instrument.

This product is connected directly to a synthesis reactor or dissolution testing machine (peripheral equipment). After the raw materials or pharmaceutical samples are placed in the peripheral equipment, tasks up to data acquisition by the LC are performed automatically.

With the Nexera FV, samples are automatically injected into the LC from the peripheral equipment via an autosampler (automatic sample injector) equipped with a newly developed flow vial kit. It can operate continuously without an analyst, enabling continuous sampling and analysis even overnight. Dedicated software (LabSolutions FV) simplifies the setting of sampling timing and analysis mode, as well as the data analysis of the results. Three instrument configurations are available.