

June 17, 2020
Sysmex Corporation

Sysmex Launches Flow Cytometer XF-1600 in North America

- Contribute to higher efficiency and standardization of the laboratory workflow for FCM testing -

Sysmex Corporation (HQ: Kobe, Japan; Chairman & CEO: Hisashi Ietsugu) announces the launch of its XF-1600 flow cytometer for laboratories in the North America market in June 2020.

Sysmex launched the PS-10 sample preparation system in August 2019 for automating sample preparation work, and also offers analyte specific reagents marketed in the US under the Sysmex brand. The Sysmex flow cytometry portfolio makes it possible for laboratories to automate the entire process of flow cytometry testing from sample preparation to the reporting of measurement results.

Going forward, with the goal of rolling out a clinical flow cytometer system globally, Sysmex will work to globally obtain the necessary regulatory approvals, which are required for the system's clinical application, thus accelerating the drive to contribute to the quality enhancement and standardization of clinical flow cytometry testing.

Flow cytometry is a technology in which microscopic particles are optically analyzed as they pass through channels. The basic principle is used in Sysmex's hematology and sediment urinalysis analyzers. Analyzers that use this technology are called flow cytometers. In research and clinical testing and other fields, flow cytometers are used by pharmaceutical manufacturers and universities to research cancers and regenerative medicine. They are also put to various industrial applications, such as quality control of food and beverages.

In the clinical domain, flow cytometers are used for the detailed examination of cells after the hematology test, one of our core businesses. The sample preparation processes for this sort of clinical flow cytometry testing typically involves complicated and time-consuming manual operations, such as dispensing samples and reagents, as well as agitation and incubation, in addition to the requirements on data quality and prompt provision of testing results. The significant burden this places on highly-skilled clinical laboratory technologists in their daily work is an issue in laboratory settings.

Sysmex will launch its XF-1600 flow cytometer for laboratories in the North America market in June 2020. Capable of performing analyses on numerous applications, the XF-1600 comes with flexibility with which to respond to diverse researcher needs. Together with the PS-10 sample preparation system launched earlier and data analysis software, the XF-1600 contributes to reduce the burden placed on users, allowing them to focus on the more technically demanding analysis and explication of testing results. Approximately 200 Sysmex branded antibody reagents are also offered.

Sysmex will remain committed to the creation of new value in the clinical flow cytometry business in the forms of quality control enhancement and remote maintenance by applying the technologies and experience it has cultivated in the *in vitro* diagnostics field and leveraging its sales and service

networks, with the goal of an early global rollout of its flow cytometry system.

Overview of the New Product

Name: Flow Cytometer XF-1600

Target markets: United States, Canada

Launch: June 2020

Main features:

- Up to 3 laser flows and 10 colors of fluorescence
- Automates the entire process of FCM testing when connected with the PS-10 sample preparation system
- Multiple measurement modes to choose from to meet customer needs

Product Photo



Reference

August 6, 2019 press release entitled "Sysmex Launches its Sample Preparation System PS-10 in North America, a New Product to Make Clinical Flow Cytometry Testing More Efficient"

<https://www.sysmex.co.jp/en/news/2019/190806.html>