

# Perfectly orchestrated clinical flow cytometry

What makes a great orchestra? To perform the widest possible repertoire of pieces of music, a large variety of instruments is of the essence. Skilful players and instruments of the finest quality make for an excellent sound, aided by the brilliant acoustics of the concert hall. Last but not least, the conductor brings all this talent to life, to the enjoyment of the audience.

Imagine you are a conductor, with a range of high-quality devices demonstrating a perfect interplay in your clinical flow cytometry lab. With this perfectly orchestrated setup – from instruments to reagents to necessary information – you can attend to each sample coming in for analysis with the most relevant tests in a timely manner, streamlining the diagnostic workflow. Raise the baton – may the concert begin!

## ■ **Perfectly orchestrated order assessment:**

with all haematology results and cell images on a single screen of the CyFlow WA middleware, you can assess the open orders for clinical flow cytometry and confer with the clinicians whether orders should be extended or modified up front – every hour may count for the patients.

## ■ **Perfectly orchestrated panel creation:**

the comprehensive CyFlow™ CE-IVD antibody portfolio offers an abundance of analytical possibilities, swiftly configured on the PS-10 sample preparation system and brought to light in the XF-1600 flow cytometer.

## ■ **Perfectly orchestrated sample preparation:**

the PS-10 sample preparation system auto-adapts dilutions for each sample according to the WBC count received via the CyFlow WA middleware.

## ■ **Perfectly orchestrated sample handling:**

a bar-coded sample tube carrier, the rotor, is used across all devices, from the sample preparation system PS-10 via the wash centrifuge Rotolavit II-S to the flow cytometer XF-1600, including automated transfer of each rotor's worklist. This makes sample tube handling safe and easy, and the whole workflow more efficient.

## ■ **Perfectly orchestrated result validation:**

the CyFlow WA middleware displays all clinical flow cytometry results along with the haematology results on one screen, for best possible result validation to the benefit of the clinicians and the patient behind.

## Focus where it matters: patient care.

The perfectly orchestrated system helps you do so –  
within **and beyond** your clinical flow cytometry laboratory:



XF-1600, PS-10, CyFlow WA and Rotolavit II-S: compliant with CE IVD.  
CyFlow™ is a trade mark of Sysmex Partec GmbH.

Distributor EMEA: Sysmex Europe SE · [www.sysmex-europe.com](http://www.sysmex-europe.com)

Manufacturer XF-1600, PS-10 and CyFlow WA: Sysmex Corporation · [www.sysmex.co.jp](http://www.sysmex.co.jp)

Manufacturer antibodies: Sysmex Partec GmbH · [www.sysmex-partec.com](http://www.sysmex-partec.com)

Manufacturer Rotolavit II-S: Hettich AG · [www.hettich.ch](http://www.hettich.ch)

You will find your local Sysmex representative's address under [www.sysmex-europe.com/contacts](http://www.sysmex-europe.com/contacts)

The products listed may not be available for sale in all countries. Please contact your Sysmex representative for availability.

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# Perfectly orchestrated solutions



# Perfectly orchestrated...

## CyFlow WA middleware



## Data flow

The 'first violin' of our clinical flow cytometry 'orchestra' is the middleware, CyFlow WA. It connects to the LIS, directs and controls the data flow for optimal information of the user, and smartly links the individual devices for a perfect interplay. Data integration is seamless with full traceability of sample and haematology data, and patient history at your fingertips, enabling quick follow-up.

## Sample tube flow

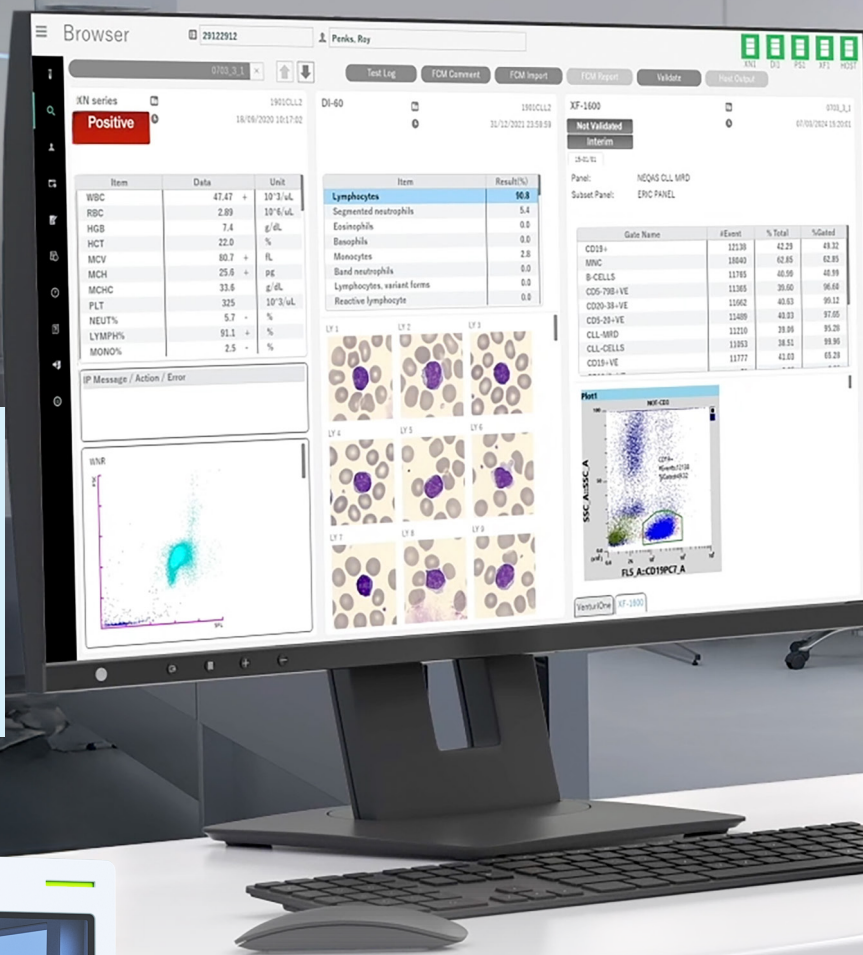
The second key piece is the barcoded rotor: it ensures effortless sample transfer from one instrument to another. Used consistently across the PS-10, Rotolaviv II-S, and XF-1600, it carries all samples through the workflow with efficiency. Automated worklist transfer for each rotor minimises errors and keeps your analytical process in perfect rhythm.





## Modularity

Like a real orchestra, our clinical flow cytometry solution is modular, meaning you are free to choose the type and number of instruments you need, to suit your individual laboratory situation.



PS-10 automated sample preparation and cocktailing system saves hands-on time and increases standardisation for more consistent results. Customisable protocols allow integration into your existing workflows.



**CyFlow™ CE-IVD antibody reagents**  
Remain flexible by selecting from Sysmex's broad range of over 200 CyFlow™ CE-IVD antibodies and/or antibodies from the extensive RUO portfolio.



## Workflow consulting

Applying our expertise in workflow consulting with an on-site analysis of the current processes in your clinical flow cytometry laboratory, we can work out the most suitable solution to simplify and standardise your work, adding automation where it makes sense, while maintaining flexibility where needed.

## Scalability

The CyFlow WA is scalable to manage up to 12 PS-10 and 12 XF-1600 and connect to the LIS. The XF-1600 flow cytometer is available in two versions, either with 10 or with 14 colours, so it is scalable to your actual needs.



**Rotolavit II-S cell washing centrifuge** decreases your turnaround time by processing up to 24 samples in parallel, with automated washing and decanting limiting your risk for errors. Customisable and pre-programmable wash cycles offer flexibility.



### XF-1600 flow cytometer

Reliable acquisition for immunophenotyping with proven fluidic stability based on the Sysmex XN-Series. Reduce stress and save time with its intuitive user interface and an easy and straightforward panel setup.