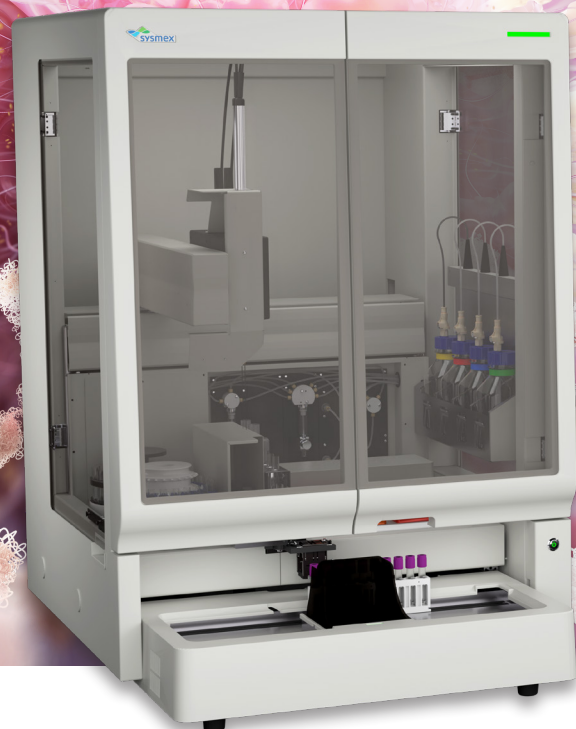


PS-10™ Sample Preparation System

Smart Automation for a New Level of Workflow Efficiency



Versatile and Adaptable



Loading the autosampler

The PS-10 Sample Preparation System alleviates time-consuming manual processes in today's busy clinical flow cytometry laboratory, while providing outstanding flexibility for the creation of complex laboratory tests.

Substantially improve laboratory processes

- Standardize complex flow cytometry laboratory processes.
- Automate processing with sample, reagent and antibody traceability.
- Easily incorporate existing laboratory procedures with powerful flexibility.
- Reduce operator error with multiple integrated barcode readers.

Traceability and flexibility

The PS-10 generates easy-to-read reports that keep track of important information on antibodies (such as clone used), samples and reagents. Additionally, it improves documentation by recording sample ID, WBC count, lot number, expiration date and volume used for each pipetting step.

| Tube position | Sample ID | Secondary ID | Sample type | WBC (x10 ³ /μL) | Panel | Test |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------|-------------|----------------------------|--------------|----------|
| 1 | 57057771 | 57057771-01-01 | Blood | | DIFF-AML 1.0 | DIFF 1.0 |
| Sample used: - 100 μL of Blood Reagents used: - 40 μL of D1111111 (lot: 082522, expires 2023-03-25, legal status: ASR) Bulk reagents used: - 2000 μL of DD000001 (lot: 08172022, expires 2023-12-17, legal status: RUO) | | | | | | |
| 2 | 57057771 | 57057771-01-02 | Blood | | DIFF-AML 1.0 | AML 1.0 |
| Sample used: - 100 μL of Blood Reagents used: - 40 μL of D1111111 (lot: 082522, expires 2023-03-25, legal status: ASR) Bulk reagents used: - 2000 μL of DD000001 (lot: 08172022, expires 2023-12-17, legal status: RUO) | | | | | | |
| 3 | 57066067 | 57066067-01-03 | Blood | | DIFF-AML 1.0 | DIFF 1.0 |
| ABORTED: INCORRECT ANTIBODY COMPOSITION * Sample used: - 100 μL of Blood No reagents used No bulk reagents used | | | | | | |

This is an example report. Run times and information may differ depending on procedure.

*When incorrect antibody, test or panel is chosen that differs from the procedure assigned, an error message will appear and sample will not be processed.

PS-10 Rotor report

- User: Jane Doe
- Rotor number: 02
- Rotor type: Swing-out 12 tube rotor
- Instrument serial number: 1808011282
- Date: 2023-01-26 13:26
- Procedure: L-L BLD-BM 2.0
- Run started at 2023-01-26 13:01:04 ended at 2023-01-26 13:26:54
- Total runtime is 0:25:49



Automated cocktailing

- PS-10 reagent blocks are color-coded to conveniently accommodate a combination of Sysmex and non-Sysmex vials.
- Peltier-cooled locations keep antibody vial blocks and reagent cocktail blocks at optimum temperature.
- An automated cocktailing function is supplied for up to 114 simultaneous on-board antibody vials.
- Reagent blocks containing antibodies can be conveniently refrigerated after use.
- Antibody tracking is available via barcoded reagent blocks.

Compatible with Helmer UltraCW[®] II Automatic Cell Washing System

For wash procedures, the PS-10 rotors are directly compatible with the Helmer UltraCW II Automatic Cell Washing System.

- Rotors can be easily transferred on and off the system for required wash steps, virtually eliminating daughter tube handling and human errors when transferring tubes to and from a centrifuge for washing.
- The UltraCW II can store multiple customizable programs for automatic wash cycles, decanting to a cell pellet and resuspension of cells.



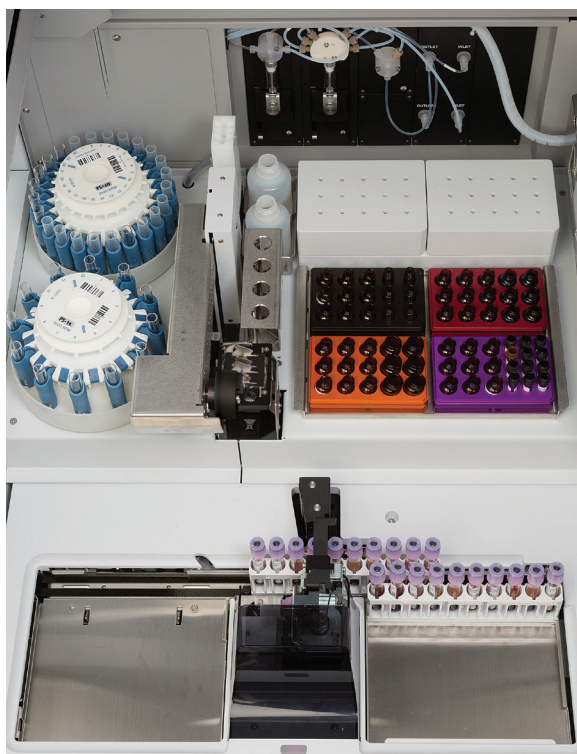
High quality Sysmex reagents

All Sysmex reagents feature a convenient, readable QR code for automatic entry of reagent type, product code, lot number and expiration date.

- Choose from a broad portfolio of clinical CyFlow[™] antibody reagents to create the perfect panel
- Robust quality and high stain index
- Core markers for complex flow cytometry applications
- Ever-expanding selection of available analytes
- 1 mL demo vials available upon request



Your new standard of testing



Accepts multiple reagent vial sizes

Flow cytometry testing your way

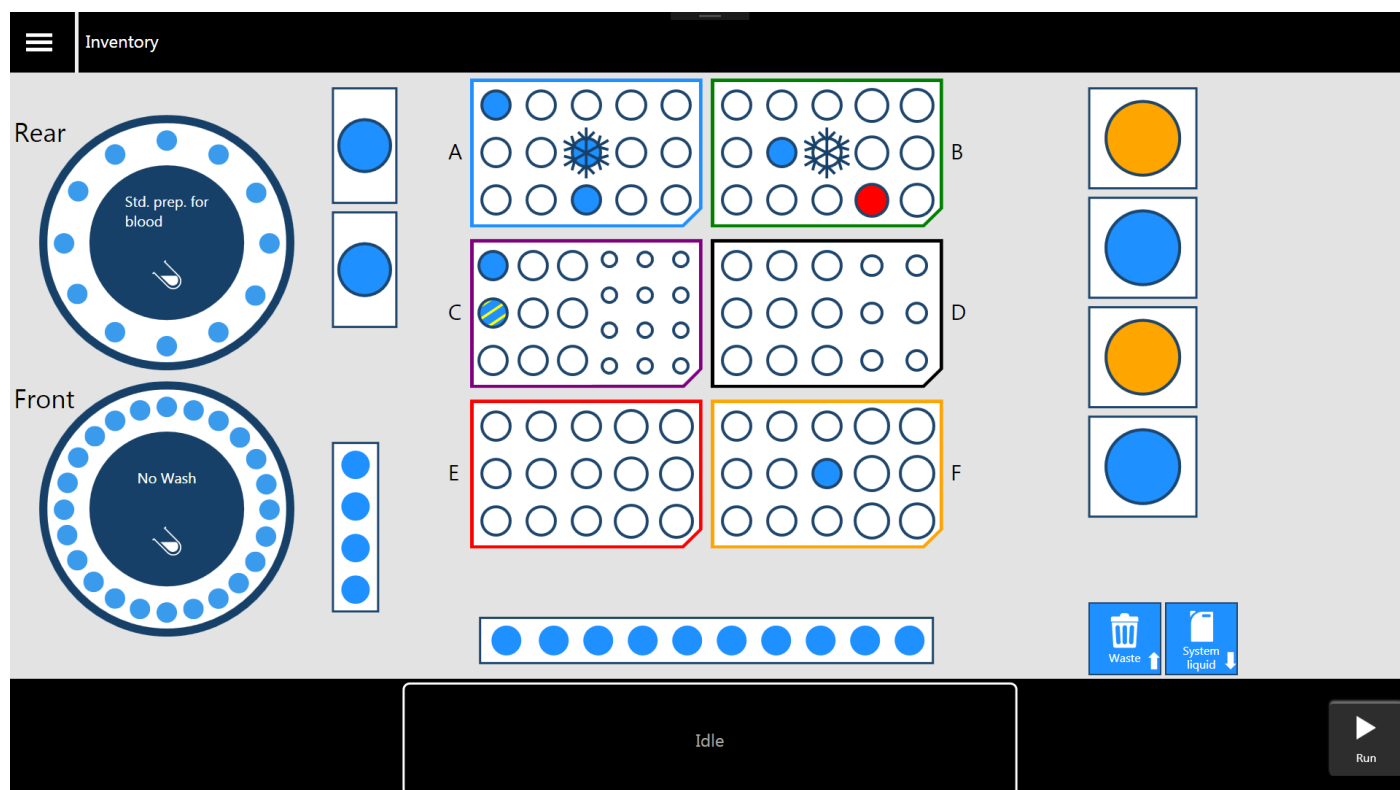
Powerful tools allow you to easily create custom tests, panels and procedures.

Information on reagent blocks, bulk reagents, tests, panels and procedures is stored for future reuse.

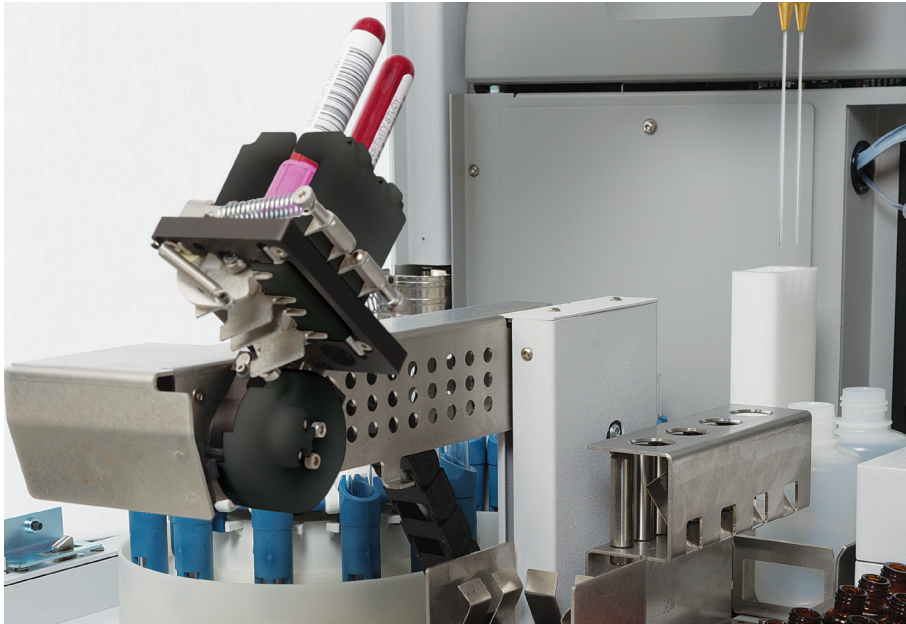
Touchscreen interface provides an easy overview of current inventory and testing progress.

High-capacity smart autosampler for reliable and safe specimen handling

- Variables such as sample volume based on WBC count, antibody volume, incubation time, lyse and buffer volumes are all available for customization.
- There is no longer a need for cumbersome pre-dilution of primary specimens.



Maximizing your workflow efficiency



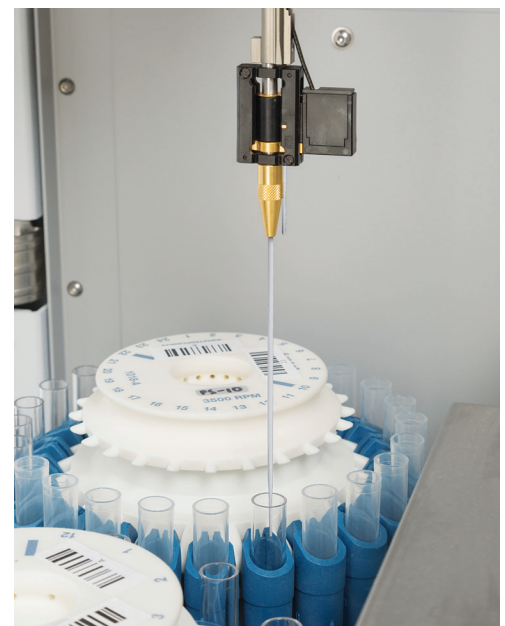
Primary specimen mixing

Design elements that maximize workflow efficiency

- Dual cap-piercing eliminates prep steps and minimizes operator exposure to potentially hazardous biological specimens.
- Automatic allocation of daughter tubes eliminates manual labeling.
- A single aspiration of blood or antibody allows multiple aliquots, saving time for multi-tube panels.

The new standard for throughput of routine, no-wash assays

- Processes two 24-tube rotors per hour, for no-wash assays.
- Dual rotor configuration enables batch processing.
- Continuous sample processing during incubation and wash steps maximizes efficiency.
- All reagents and waste containers have level monitoring.



Dual pipetting probes for fast throughput

Features and Benefits

Automated cocktailing

- No maximum number of antibodies per cocktail
- Barcode scanning for Sysmex antibodies
- Up to 114 antibody vials at a time
- Antibody vial compatibility with common vendors

**Helmer UltraCW II
Cell Washer**

- Utilize same rotor for transfer between centrifuge, PS-10 and XF-1600™ Flow Cytometer

Automated WBC adjustment

- Fixed, linear or threshold WBC adjustment

Six bulk reagent positions

- Allows system flexibility for varied testing protocols

**Minimal maintenance
requirements**

- Daily startup and shutdown
 - Monthly pipette volume check
 - Weekly hysteresis check
-

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