Caresphere™ Workflow Solution (WS)

Clinical Software for busy labs

Together for a better
healthcare journey

Caresphere Workflow Solution (WS)

Caresphere WS is the next generation of clinical laboratory workflow management software. Promoting standardization across a network of laboratories while still offering customization of rules and settings where needed allows for flexibility in sample processing and workflow support. Sysmex is dedicated to helping labs manage the burgeoning testing requirements and increasing workflow efficiency needs through automation. Project Management and a team of experts support your laboratory's success during the implementation process, while virtual training and technical assistance are unlimited for the life of the product. With a security system certified by HITRUST CSF®, Caresphere WS is a HIPAA‡-compliant application hosted by Amazon Web Services.

The Caresphere WS subscription includes real-time monitoring, all software updates and a reliable pricing model that together offer dependable performance and peace of mind to your laboratory.

Caresphere WS Subscription		
Caresphere WS		Sysmex WAM™
✓	Unlimited access to virtual education	✓
✓	Test environment included	✓
✓	Automatic security updates and disaster recovery	✗
✓	CareWise notification system	✗
✓	Compatible with AWS Direct Connect for highly resilient network connections	✗
✓	Major software updates and automatic patching	✗
✓	Software as a Service (SaaS) payment option	✗
✓	Sysmex Validation Solution software	✗
✓	Real-time monitoring through Amazon Web Services (AWS)	✗
✓	Unlimited connected analyzers with no add-on cost*	✗
✓	Unlimited users with no license add-on costs	✗
✓	HITRUST CSF-certified	✗
✓	Offline Mode sample reporting	✗

‡Health Insurance and Portability and Accountability Act

*Approved third-party device connections may incur additional fees.

Robust security

- HIPAA-compliant application hosted in AWS cloud
- Live infrastructure monitoring
- Directory services user management
- HITRUST CSF-certified

Streamlined workflow

- Autoverification based on Sysmex analyzer technology
- Standardization across multiple sites and analyzer configurations
- Customizable workflow screens
- Standard rule functionality reflects International Society of Laboratory Hematology (ISLH) recommendations and common procedures
- Stat, critical and turnaround time indicators
- Differential keypads allow configuration based on individual preference

Ease of deployment

- Sysmex Project Management team coordinates the entire implementation process
- Implementation tools include rules, configuration and conversion wizards with Sysmex Validation Solution included
- Virtual training
- Remote experts support the entire validation process

CareWise

CareWise provides communication benefits, all delivered right to your inbox or mobile device:

- Software Releases
- Maintenance Events
- Service Impacts

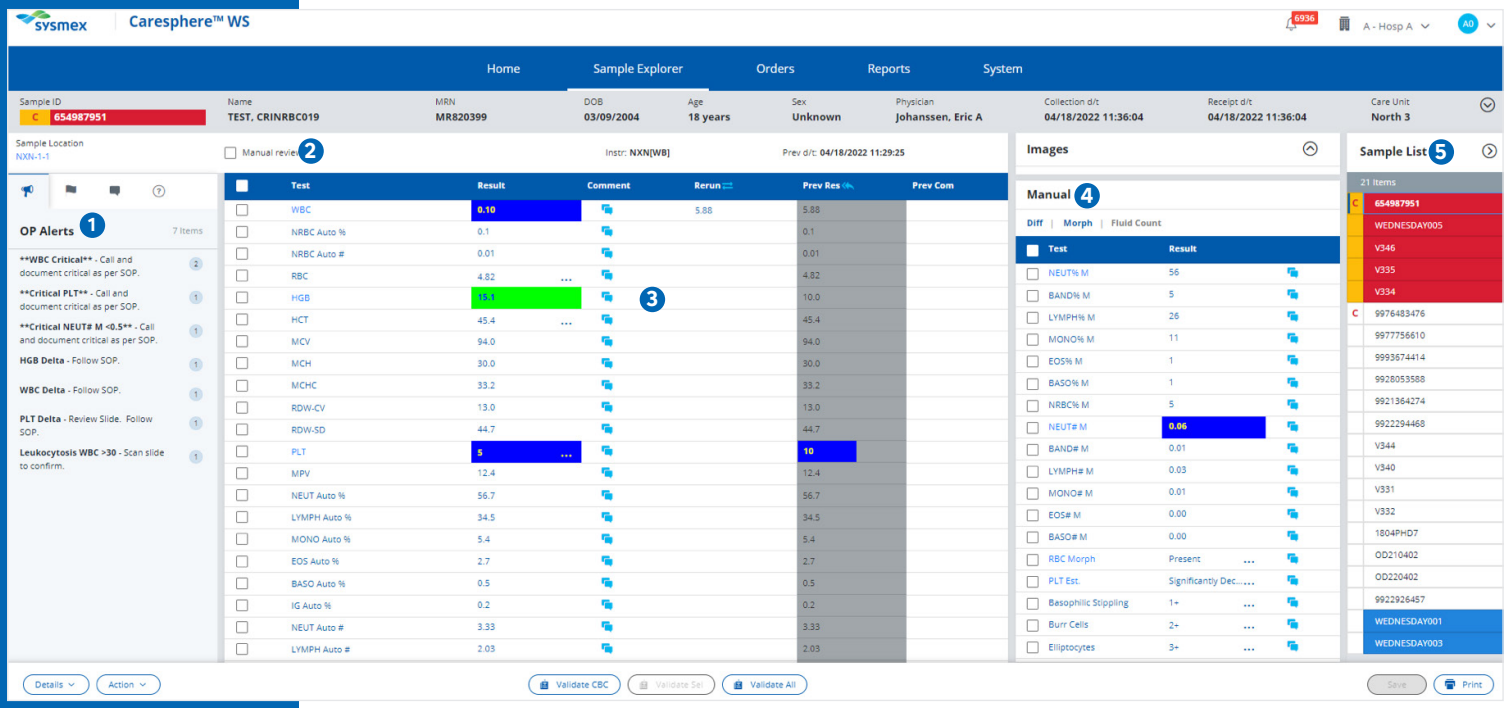
Homepage with Customizable Workflows

Workflow panels customized to organize and filter samples the way you work in the lab. Samples for your bench are displayed while the remainder are filtered to other workflows.

Enter Order, Smear Status and more right at your fingertips

User Access Rights controlled Rules, Settings, Reports and more

Hematology: Result Validation



- Negative samples autoverify, allowing focused expertise where it is needed the most
- Everything needed to make quick and informed decisions for samples held by rules.

1 OPERATOR ALERTS

Integrated laboratory procedures streamline decision-making and reduce risk. Real-time visibility of next steps improves process standardization.

2 MANUAL WORKFLOW INDICATOR

Shift patient samples to the manual review workflow to keep pending lists efficient and concise.

3 ANALYZER RESULTS

Current and rerun data available for review and comparison with the most recent previous results. Color coding calls attention to critical or delta results for faster decision making.

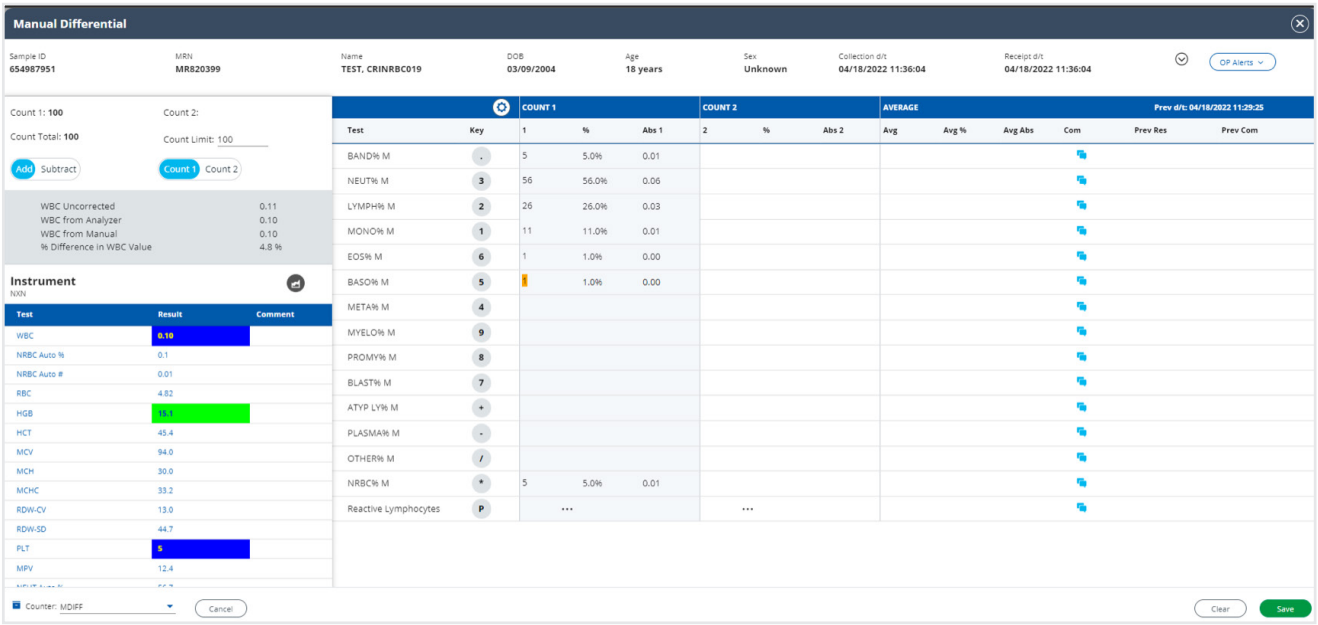
4 MANUAL AREA

Pending and completed manual processes and results ensure laboratory standard operating procedures are followed and reviewed.

5 SAMPLE LIST

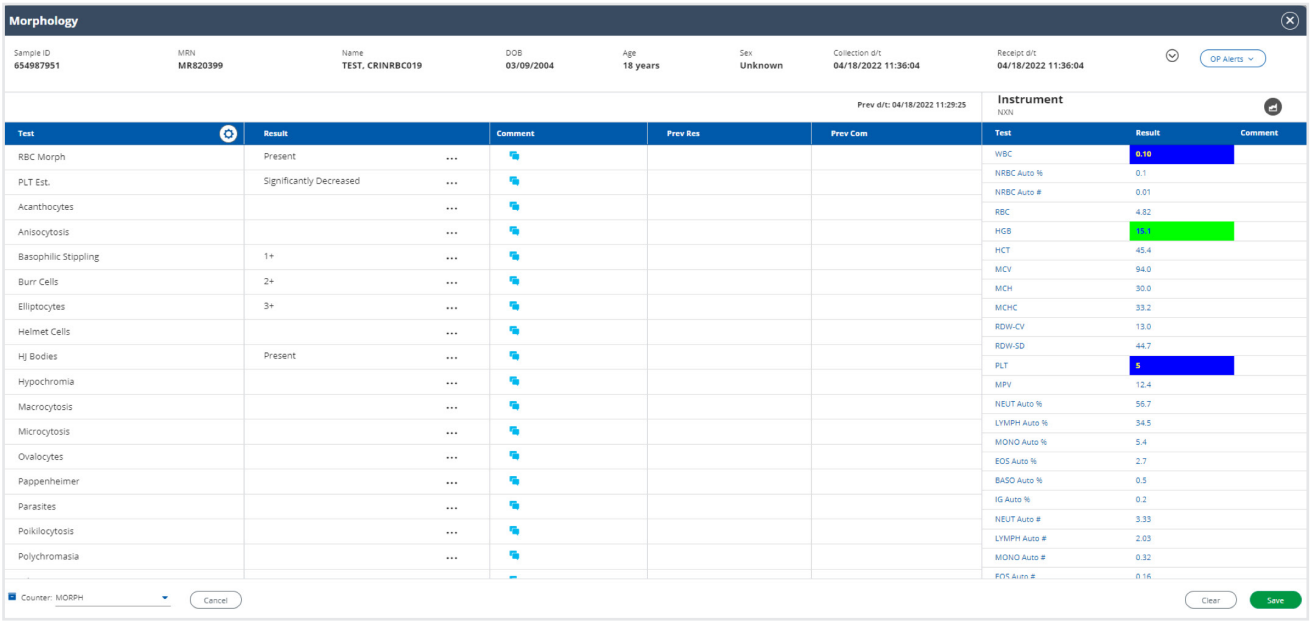
Automated organization of samples to easily identify stat and critical samples as well as samples exceeding lab TAT to achieve faster processing and better results for patients.

Hematology: Manual Differential



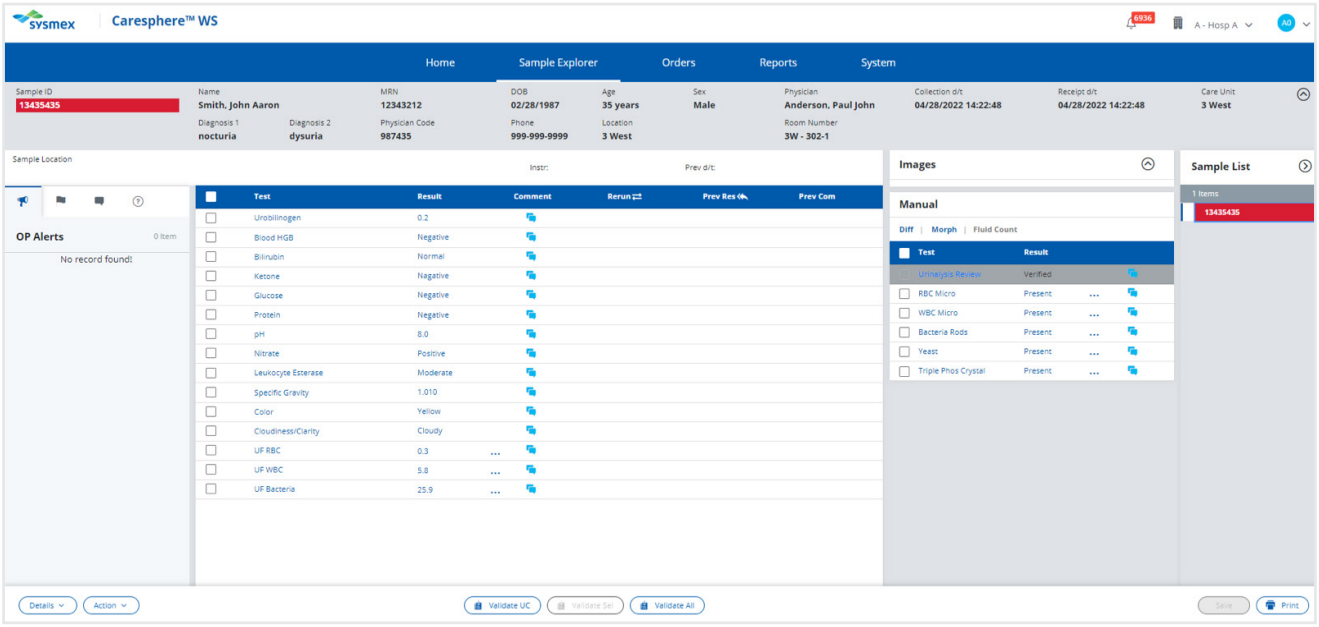
- When a CellaVision is not used, perform manual differential directly into Caresphere WS
- Differential keypads designed to individual user preference
- Comparison of automated and manual results
- Automatic calculation of absolute differential counts

Hematology: Morphology Results



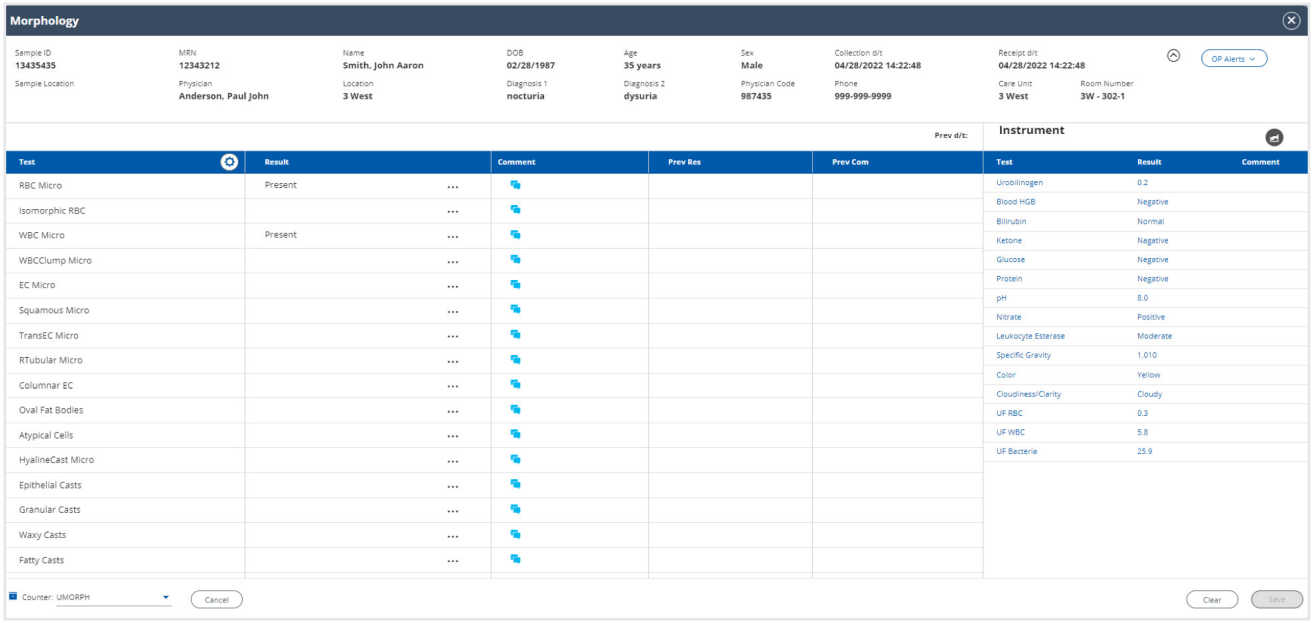
- When a CellaVision is not used, result morphology directly into Caresphere WS
- Morphologies based on laboratory reporting options
- Manual entry of results requires less clicking
- Customize grading or quantifying results

Urinalysis: Result Validation



- Autoverification and standardization of UN-Series workflows
- Urinalysis specific rules and reports
- Hematology and Urinalysis in one unified solution

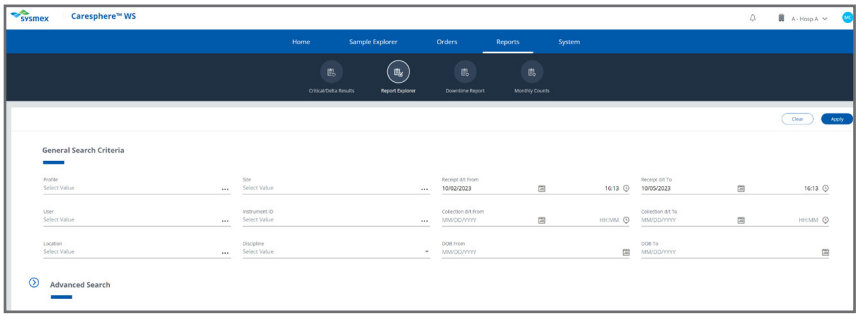
Urinalysis: Morphology



- Enter results directly into Caresphere WS when UD-10 Urine Particle Digital Imagining Device is not used
- Ensure standardization across your health system
- Confirm urine chemistry and sediment results

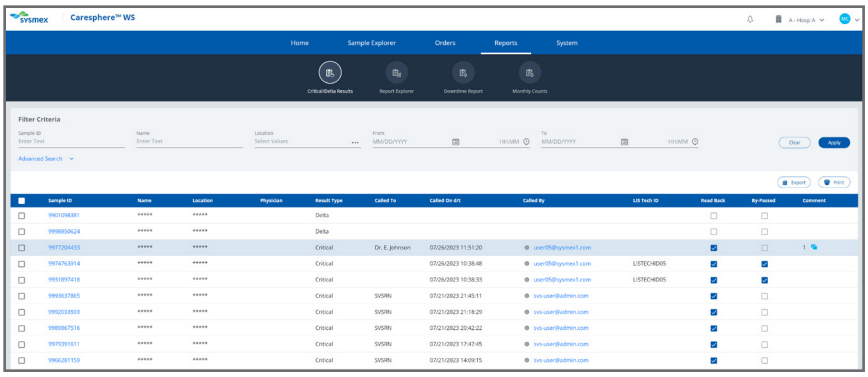
Reports

Report Explorer



- Review lab metrics with a few clicks
- Sort and filter to pinpoint crucial information quickly
- Data driven optimization opportunities

Critical/Delta Results Report

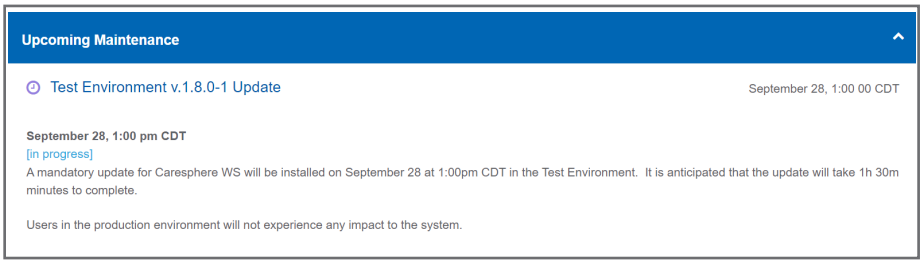


- Critical and Delta Call Documentation
- Downtime Reports
- Count/Turnaround Time Statistics
- Result Statistics
- Autoverfication Statistics
- Rules Statistics
- Monthly Sample Counts

CareWise Communications

CareWise is the primary communication method for Caresphere WS. It is located outside of Caresphere WS to ensure communication is still available even when you are experiencing issues. Registered users will receive email or optional text message notifications to provide up to date information you need to know about your solution.

CareWise website notification



CareWise email notification

- Software Releases
- Maintenance Events
- Service Impacts

Efficiency Meets Functionality

Rules Validation

- Assists with aspects of on-going testing recommendations
- On-demand testing of new or modified decision rules
- Integrated as part of implementation process to improve the time to go-live with Caresphere™ (WS)

Streamlined Rules Validation

- One-click launch from Caresphere WS
- Automatically creates testing scripts against the defined rules
- Access to Sysmex emulators to mimic specific flags and results
- Comprehensive, on-demand reports and ability to view results
- Walk-away testing completes test scripts and captures evidence automatically
- Digital analyzer emulators reduce need for physical analyzer testing

Sysmex Validation Solution (VS)

Simplify rule testing with Sysmex VS

Sysmex VS is an application that provides effortless rule testing and reporting in cooperation with Caresphere WS.

Sysmex VS provides

- Easy and simple testing and reporting to assist with regulatory compliance
- Reduction in time spent validating rules
- Emulators, or digital analyzers, allow for rules testing without the need to halt patient sample processing

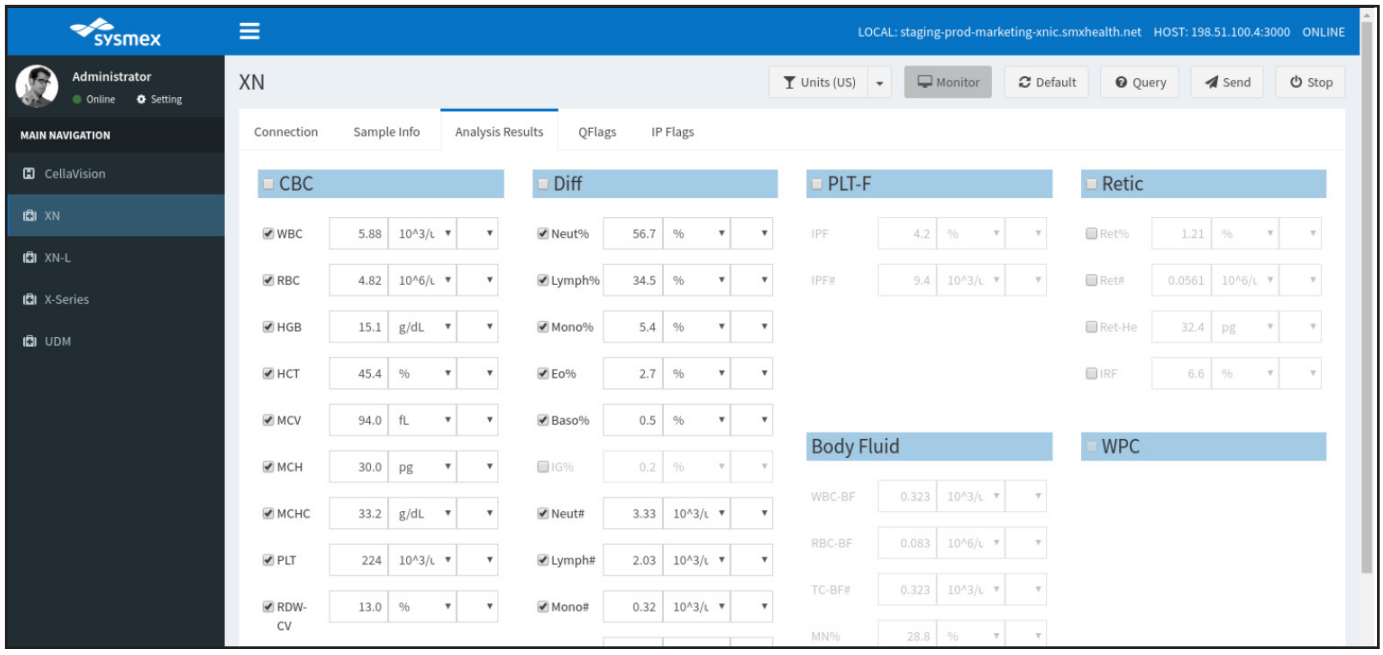
Emulator Suite

Emulators, or digital analyzers, can send specific analyzer results and flags to Caresphere WS. Rules criteria can be tested without the use of physical analyzers, decreasing patient sample downtime for rules validation testing.

Available emulators:

- XN-Series™
- XN-L Series™
- X-Series™
- CellaVision®
- Sysmex DI-60™
- Urinalysis Data Manager™
  (Manual testing only)

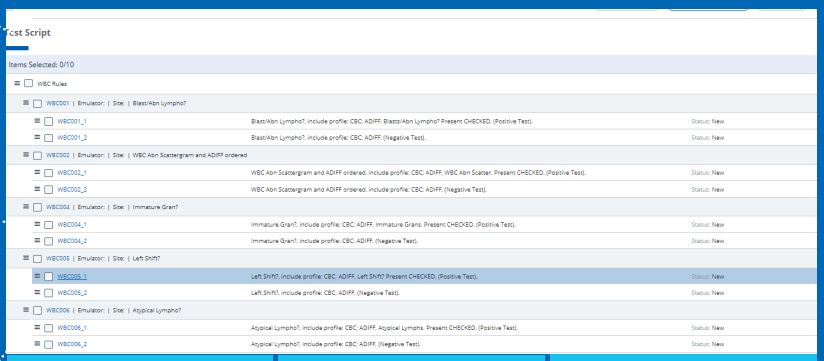
- Simulate analyzer results
- No patient sample downtimes for testing
- Thorough rule criteria validation
- Integrates with Caresphere WS



Reduction in time spent validating rules

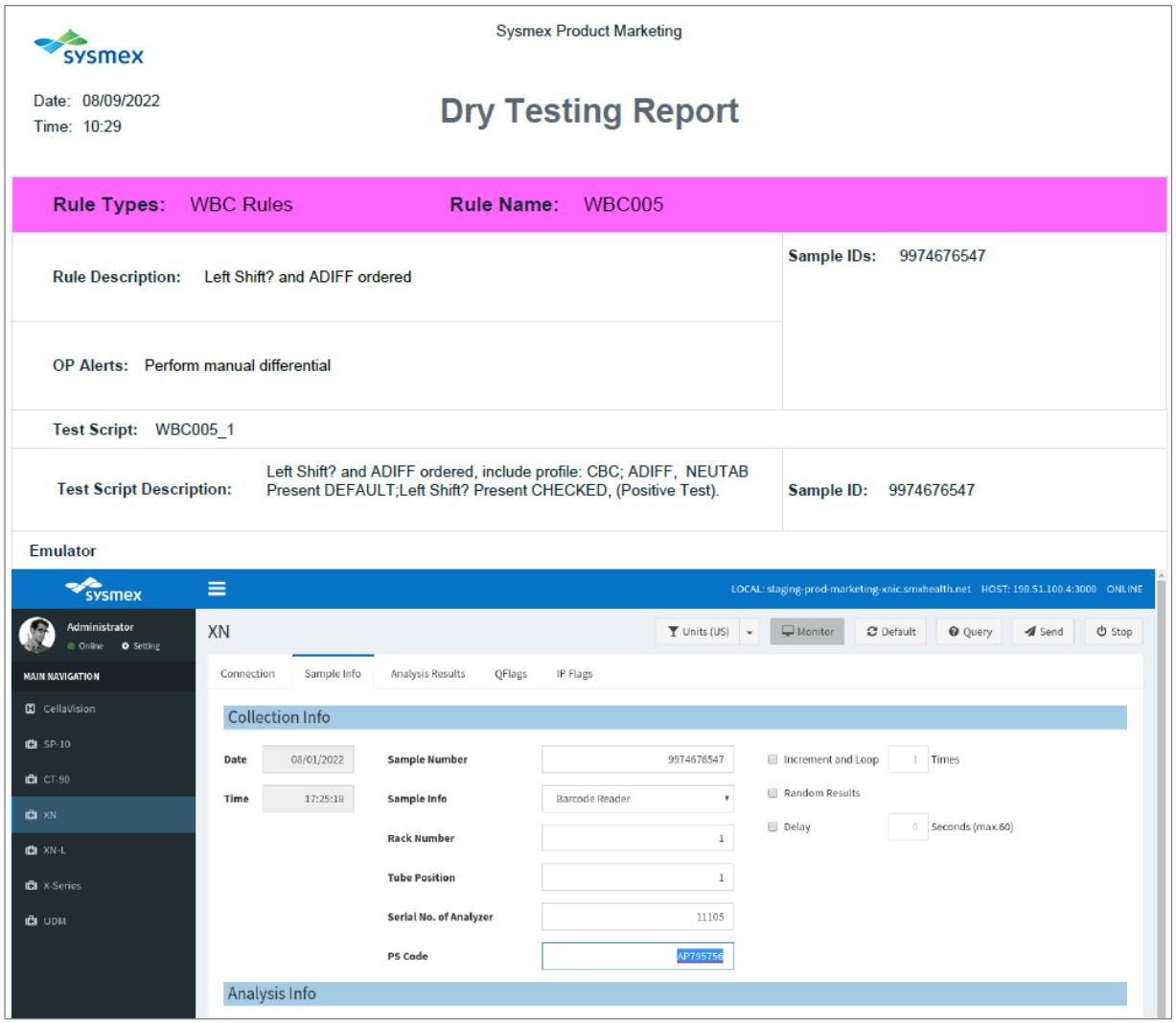
Automated, intelligent software runs positive and negative testing scripts with minimal effort

System-generated reports offer effortless assistance with decision rules validation testing



Implementation | On-Going Compliance | Software Release Testing

Sysmex VS Report Example Page



Sysmex Product Marketing

sysmex

Date: 08/09/2022
Time: 10:29

Dry Testing Report

Rule Types: WBC Rules **Rule Name:** WBC005

Rule Description: Left Shift? and ADIFF ordered

Sample IDs: 9974676547

OP Alerts: Perform manual differential

Test Script: WBC005_1

Test Script Description: Left Shift? and ADIFF ordered, include profile: CBC; ADIFF, NEUTAB Present DEFAULT;Left Shift? Present CHECKED, (Positive Test).

Sample ID: 9974676547

Emulator

Automated Report

- Sort and Archive
- Automated Rerun
- Automated Reflex
- Hematocrit-based Smear
- Customized slidemaking allows for stat or multiple slides

Standardized Workflows

- Manual Differential
- Morphology
- Digital Imaging Integration
- Critical and Delta Result Call Documentation

Beyond Autoverification

What Happens next?

Complementary Technologies

- Urine Chemistry
- Urine Particle
- Urine Microscopy
- Hemoglobin A1c
- Sedimentation Rates

Sysmex Corporation
1-5-1-Wakinohama-Kaigandori Chuo-ku, Kobe 651-0073, Japan · Phone +81 78 265-0521 · **www.sysmex.co.jp**

Sysmex America, Inc.
577 Aptakisic Road, Lincolnshire, IL 60069, U.S.A. · Phone +1 800 379-7639 · **www.sysmex.com/us**

Sysmex Canada, Inc.
5700 Explorer Drive Suite 200, Mississauga, ON L4W0C6 Canada · Phone +1 905 366-7900 · **www.sysmex.ca**

Sysmex Latin America and the Caribbean
Rua Joaquim Nabuco 615 - Bairro Cidade Jardim, São José dos Pinhais Paraná – Brasil – CEP 83040-210 · Phone +55 41 2104-1314 · **www.sysmex.com.br**

© 2023 Sysmex America, Inc.
CF-07314, Rev. 2, 12/2023