

# Caresphere™ Workflow Solution

Designed by Labs. Developed by Sysmex.

## Brief Product Description

Caresphere Workflow Solution (WS) is software designed to assist in automating decision-making tasks. Caresphere WS is a HITRUST CSF®-certified, HIPAA<sup>1</sup>-compliant application hosted in an Amazon Web Services (AWS) cloud environment. Customization and standardization of hematology, urinalysis, body fluid and hemoglobin A1c rules and settings allows for autoverification and flexibility in sample processing and resulting across a network of laboratories increasing overall adoption and laboratory success.

## Benefits of Caresphere WS

### Security

- HITRUST CSF-certified
- Live AWS infrastructure monitoring
- Protected health information access control
- Automatic security patches
- Directory Services user management
- Disaster recovery
- Cloud Database backup
- High resiliency with AWS hosting foundation

### Ease of Deployment

- Start to finish Sysmex-assisted implementation process
- Data conversion tool: transfer of rules, settings and patient data from Sysmex WAM™
- Step-by-step Rule and Configuration Wizards for new customers
- One year of complimentary subscription to Sysmex Validation Solution (VS) software for decision rule validation and access to analyzer emulators

### Workflow Optimization

- Custom workflow dashboard
- Sysmex hematology, body fluid and hemoglobin A1c rules package (compatible analyzers)
- Sysmex urinalysis rules package
- Result autoverification
- Operator alerts based on customer standard operating procedures displayed for each condition
- Critical and delta result management
- Customizable keypads
- Turnaround time status indicators
- Body fluid reporting with manual count calculator
- Sample location tracking
- Site-to-site sample transfer within software

### Caresphere WS Subscription

- Unlimited analyzer connections
- Unlimited users
- Included software updates
- Database and application support
- 3 years sample data storage
- Unlimited online training

### Compatible Analyzers

- XN-Series™
- XN-L Series™
- X-Series™ (XE, XT, XS)
- CellaVision® (DM9600, DM1200, DC-1)
- DI-60™
- SP-10/50™
- TS-10/H™
- XP-300™
- pocH-100i™
- UN-Series™ - When interfaced through Urinalysis Data Manager (UDM)
- Bio-Rad VARIANT™ II TURBO (V2T) Link

Caresphere WS  
Requirements

## Sysmex Edge Interface Concentrator Minimum Specifications

Component	Specification
Server Type	Physical or Virtual
Operating System	CentOS 7 Linux SELinux Enforcing mode
CPU	64bit AMD/Intel 4 x CPU Cores @ 2.4 Ghz
RAM	16 GB
Network	1 GB
Storage - OS	150 GB
Storage - Database	250 GB (90 days data and update space)
Storage - Backup	250 GB (Local backup landing zone)
Peak Data Load	2 GB
Network Bandwidth	0.24 GB/hr Peak Load
<b>Separate servers required for Production and Test Environments</b>	

\*Specifications increase with increased sample volumes

## Caresphere WS Specifications

Component	Minimum Specification
Web Browser	<p><b>Recommended Browser:</b> Google Chrome v100.0 or higher</p> <p><b>Alternate Acceptable Browsers:</b> Firefox 74.0 Safari 13.0 Internet Explorer is not supported</p>
Monitor Resolution	1440 X 900
Free RAM	1 GB
Processor	2 Ghz

## Supported Directory Services

Open ID Connect	ADFS
Okta using Open ID Connect	Ping Federate using SAML2.0
Google Workspace	Other IdP using SAML2.0
Microsoft Azure	
<b>One Directory Service is supported per Caresphere WS Tenant</b>	

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