



DEVICE CONNECTIVITY FOR  
POINT-OF-CARE TESTING

# RALS™ DEVICE INTERFACING

The Instrumentation Laboratory  
GEM® Premier™ 5000 is a blood gas device  
that has a full analyte menu and integrated  
CO-Oximetry. The device connects to the RALS  
System via the GEMweb® Plus 500 and features  
bi-directional communication.

*Connectivity by the RALS System enables users to:*

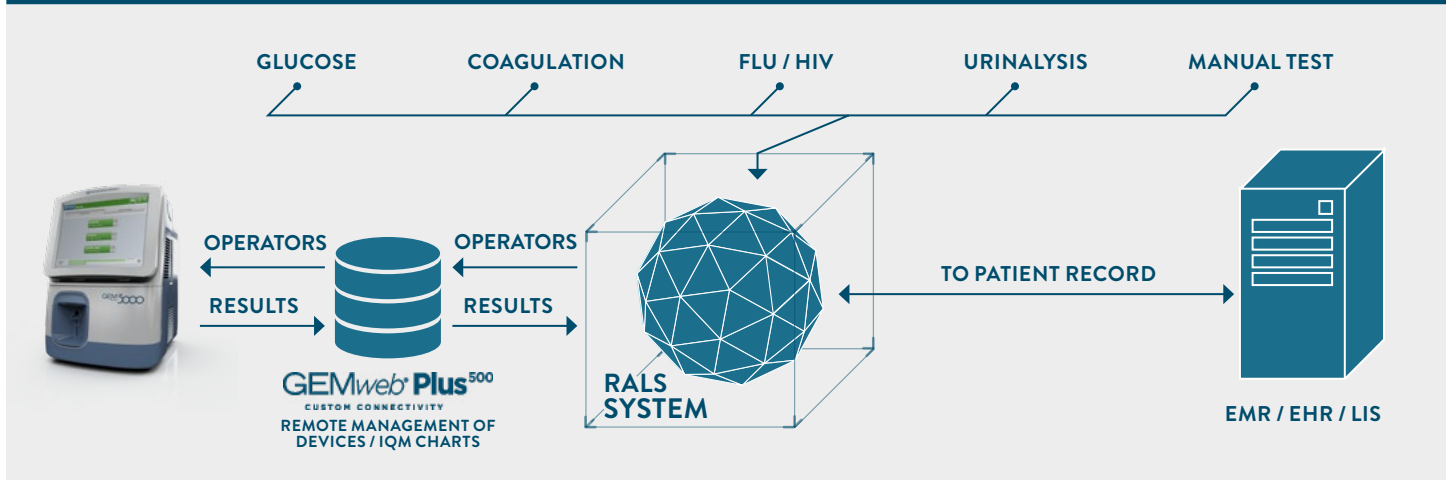
- Centralize all POC test results into the RALS system
- Transfer results to an EMR/EHR/LIS
- Email results to operators and managers
- Access and manage mis-identified patient and out of range QC results



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# RALS™ | GEM® Premier™ 5000 Analyzer Connectivity

## HOSPITAL / FACILITY / INSTITUTION NETWORK



## DATA FLOW

The GEM Premier 5000 analyzer transfers data via the GEMweb® Plus 500 data manager to RALS where it is evaluated and either sent directly to the EMR/EHR/LIS or held for review

## BI-DIRECTIONAL COMMUNICATION

*From device to RALS system:*

- Patient test results
- GEM Evaluator (GSE/GHE)
- Operator ID
- Date/Time
- Materials

*From RALS system to device:*

- Operators (via GEMweb Plus 500)
- Patient Demographics (Query)

## TESTS PERFORMED

- Patient tests
- GEM Evaluator Tests
- Proficiency tests

## AVAILABLE REPORTS FROM THE RALS SYSTEM

- Anomalous Results by Device
- Anomalous Results by Operator
- Institution Statistics
- LIS Statistics by Location
- LIS Statistics by Operator
- Operator ID Compliance by Location
- Operator Pending Recertification Range
- Operator Pending Recertification Date
- Operator Statistics
- Patient ID Compliance by Operator
- Patient ID Compliance by Location
- Patient Results by Location
- Patient Results by Operator
- Patient Results by Patient
- QC Test Results
- Device Statistics Summary
- Test Materials
- Workload Summary
- RALS Devices Log
- Operators With No Certifications
- Levey-Jennings
- Location Statistics
- RALS-Plus Setup
- Corrective Action Compliance by Location
- Corrective Action Compliance by Operator
- Patient Result Comments
- Patient Result Comments with Clean Meter Stats

## HOW THE DEVICE CONNECTS

- GEMweb Plus 500 data manager

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