



DEVICE CONNECTIVITY FOR
POINT-OF-CARE TESTING

RALS™ DEVICE INTERFACING

The GEM Premier 4000 system measures pH, blood gases, electrolytes, metabolites, CO-Oximetry and more, while automating quality management through iQM, instrument maintenance with its multi-use disposable GEM PAK. The system can connect to RALS directly or via GEMweb Plus 500 connectivity.

CONNECTIVITY TO RALS ENABLES USERS TO:

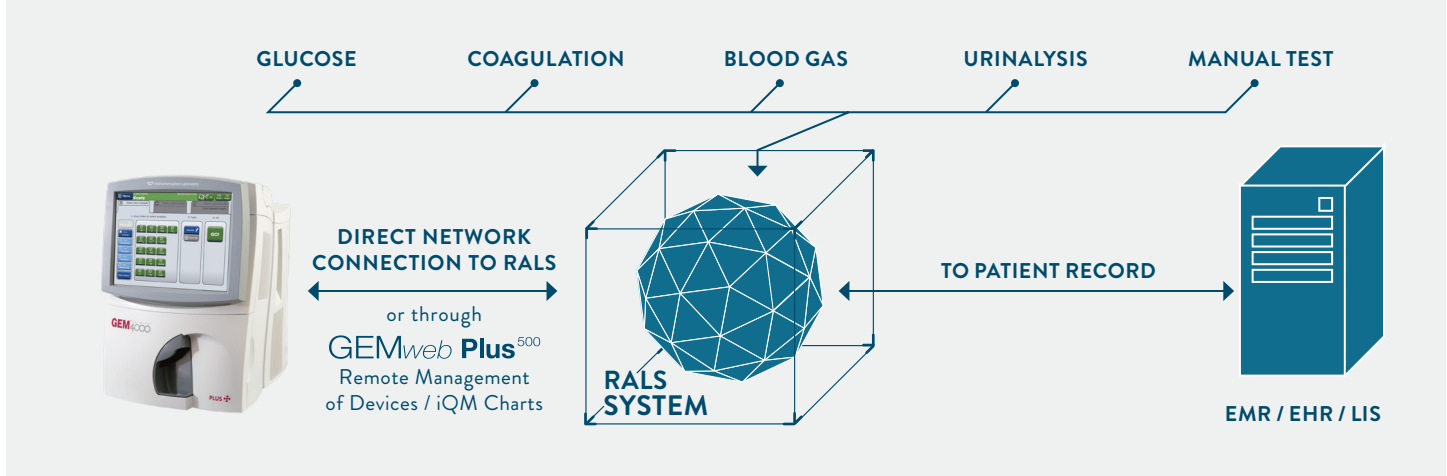
- Centralize all test results into the RALS system
- Transfer results to an EMR/EHR/LIS
- Email results to operators and managers
- Access and manage mis-identified patient and out of range QC results



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RALS™ | GEM® Premier™ 4000 Interfacing

HOSPITAL / FACILITY / INSTITUTION NETWORK



DATA FLOW

The GEM® Premier™ 4000 transfers data to RALS via a direct network connection or through the GEMweb® Plus 500 where it is evaluated and either sent directly to the EMR/EHR/LIS or held for review.

BI-DIRECTIONAL COMMUNICATION

Data sent from the device to RALS™

- Patient Test Results
- QC Test Results
- Operator ID
- Date/Time/Materials

Data sent from RALS™ to the device

- Operators (directly from RALS or via GEMweb® Plus 500)
- Patient Demographics (query)

AVAILABLE REPORTS FROM THE RALS SYSTEM

- | | |
|--|-------------------------------|
| ■ RALS™ Devices Log | ■ Patient Results by Operator |
| ■ Workload Summary | ■ Patient Results by Patient |
| ■ Anomalous Results by Device | ■ LIS Statistics by Location |
| ■ Anomalous Results by Operator | ■ LIS Statistics by Operator |
| ■ Operator Pending Recertification Range | ■ Institution Statistics |
| ■ Operator Pending Recertification Date | ■ Location Statistics |
| ■ Operators with No Certifications | ■ Levey-Jennings |
| ■ Operator Statistics | ■ QC Test Results |
| | ■ Device Statistics Summary |
| | ■ Test Materials |

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