Modular and Scalable OEM Software Solution

Visually appealing easy to use, highly configurable graphical display

Aurora Enterprise is a software platform which captures any type of data provided by laboratory instruments and software.

The data can be in the form of sample related data or instrument specific information that needs to be verified against other data.

Software includes a powerful user configurable Rules Engine for data management, sample management and reporting.

Aurora Enterprise enhances workflow, increasing efficiency throughout the laboratory by enabling connectivity between a variety of instruments, information systems and people

- Capture any data in any format from any source
- Interface multiple platforms like LIS systems and Instruments
- Dashboard display providing critical information
- Import or export instrument data to host system(s)
- Intuitive orders and results management modules
- Flexible workflow and rules base
- CE marked
- 510(k) Approved

Simple to Use

Aurora Enterprise is logical and intuitive requiring minimal training requirements and users are proficient with the system within hours.

Easily interfaced to a wide variety of Lab Information Systems (LIS/LIMS) and instruments giving laboratories a flexible solution to interface automation, instrumentation and information systems.

Flexible, Scalable, Versatile

A complete laboratory information system with broad functionality:

- Aurora Enterprise can link sequential analyzer processes
- Aurora Enterprise can perform the processes of lab middleware, integrating multiple instrument interfaces into a single stream to and from the LIS/LIMS
- Aurora Enterprise has the ability to function as a LIS/LIMS in most donor screening laboratories

Result Types

Data may be interpreted from any kind of assay:

- Fully integrated analyzer systems
- Molecular applications
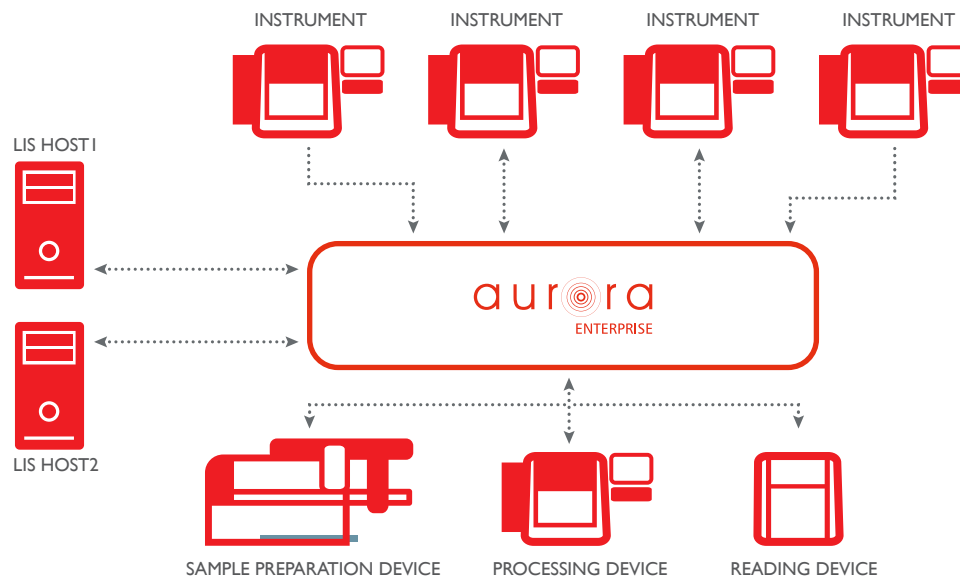- Immuno-haematology/clinical chemistry systems

Workflow Management

Multi step orders/results workflow with a flexible rules engine.

- Flexible order management from multiple systems (e.g. LIS/LIMS)
- Manage multiple worklists
- Provide instrument load balancing intelligence
- User configurable rules engine
- Controlled result review and release
- Repeat, retest and reflex result management
- Store, retrieve and report results
- Export results in user defined formats
- Keep database performance optimised
- Provides direct insight in actual sample/result state

Maximise Laboratory Efficiency

- **linking multiple instruments via a single interface**
- **linking multiple instruments into a linear workflow**
- **linking instrumentation to multiple LIS/LIMs to support optimised load balancing**

INSTRUMENT INSTRUMENT INSTRUMENT INSTRUMENT

LIS HOST1

aurora
ENTERPRISE

LIS HOST2

SAMPLE PREPARATION DEVICE PROCESSING DEVICE READING DEVICE

General Features

- Remote access via web client
- Secure system access - user management with role based access to modules & actions
- Support for multiple LIS/LIMS interfaces, communicating via TCP/IP, File exchange or RS232, via HL-7 or ASTM
- Orders Management – manual order entry, worklist, view historic orders
- Additional instrument drivers can be added to a system without having to apply a system upgrade
- Results Management – manual results entry, automated/ manual results approval & export, view historic results
- Configurable workflow and rules based engine
- Support for multiple laboratory sites and departments
- Test Management – profiles, assays and sample type definitions
- Generation of system status messages accessible within the client & via email
- Automated database maintenance with archiving, backup and re-indexing
- Complete audit of system and user interactions
- Multi Lingual support

Queries

- Period of time
- Sample/Secondary ID
- Instrument ID/Name/Type
- Result type
- Profile/Assay/Sample Type
- User/Role
- Order/Results Status
- Source

Reporting

- Paper and/or file based output
- System uses SQL server reports
- Library of standard reports
- Creation of custom reports
- Viewed from any workstation
- Configurable system alerts
- Complete audit log
- Output can queried and filtered

Dynamic Real-Time Data

Providing data at a glance
- Workflow Status
- Interface Monitor
- Workload Statistics
- Services Monitoring Tool

Utilization

Aurora Enterprise has a broad range of functionality and can be utilised differently depending on OEM partner requirements.

1. Integrated into an instrument
Raw data reduction, database, and/or user interface.

2. External computer for instruments
Direct user interface with access to generated data.

3. Integrating components for system-like user experience
Pipettor(s) and reader(s), pipettor extraction, reagent addition, reader.

4. Middleware
- Collating results, repeat, retest and reflex test management, LIS/LIMS transfer, etc
- Integrating multiple instrument of same type
- Integrating various instruments within the laboratory
- Interfacing with host system to increase power of the analyzer system.
- Manage mixed workloads on several interconnected systems.

5. LIMS-Lite
For donor center or similar environments, work orders can be entered directly into Aurora Enterprise system or received from an external source (bar code reader/decapper). Results data can be linked to patient demographic data.
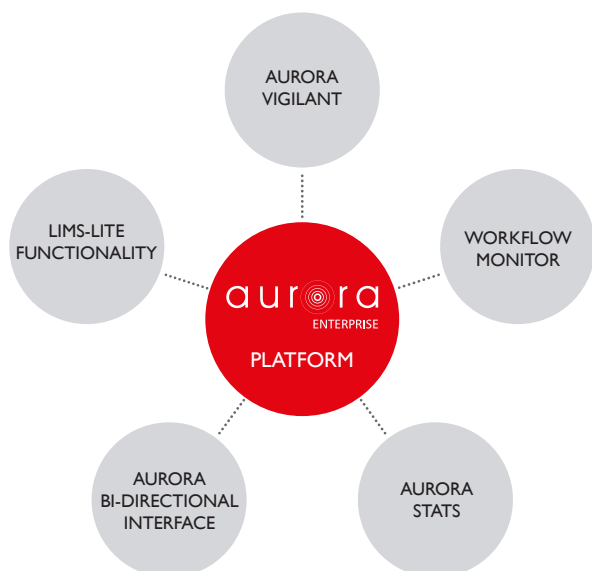
Customization

Aurora Enterprise is designed to readily support customization to meet the needs of OEM partners.

'Micro Kernel' architecture allows new modules to be added or non-required modules to be removed from the product without the need for re-compilation of the application.

Simple customization – Reskinning the product to match an OEM partners style/branding.

Custom modules – Creation of custom modules to meet the specific needs of an OEM partner's data presentation.

AURORA VIGILANT

WORKFLOW MONITOR

LIMS-LITE FUNCTIONALITY

aurora ENTERPRISE PLATFORM

AURORA BI-DIRECTIONAL INTERFACE

AURORA STATS

With its associated products, Aurora Enterprise can also function as a complete operational support suite

Conclusion
Aurora Enterprise is highly flexible.

FIND OUT HOW WE CAN HELP
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