

Certified Clarity Application Development (CCAD) Services

Clarity LIMS is a system built specifically for the needs of clinical or research, genomics and mass spec laboratories to provide end-to-end workflow tracking and integration, time-saving automation for complex and mundane tasks, preconfigured workflows, management reporting functionality, support for regulatory compliance, and role-based interfaces designed to match the needs of individuals in the lab and collaborators/clients.

Clarity LIMS is a full-featured genomics/proteomics LIMS. However, you can extend functionality to achieve even greater return on investment by using the GenoLogics Rapid Scripting™ Application Programming Interface (API). CSols is a GenoLogics Development Partner with staff who are certified to use the API to extend Clarity LIMS through the Certified Clarity Application Development (CCAD) program. Some of the ways CCADs can help you customize the system include:

- Automate sample tracking to minimize data-entry time
- Incorporate new instruments or new analysis methods
- Minimize manual work for scientists by automating robotics and other lab instruments
- Streamline accounting and resource management duties by integrating to other enterprise systems such as billing and ERP systems
- Easily provide context to samples by integrating with EMR systems
- Minimize manual work for bioinformaticians by automating analyses pipelines and integrating to open-source, in-house or commercial analysis software



Benefits We Provide

CSols, Inc. is the premier Laboratory Informatics Consultancy in North America. CSols has been providing informatics consulting services to the Life Sciences, Diagnostic, Pharmaceutical, Biotech, Medical Device, and Forensic industries for over two decades. CSols' consulting staff has a unique blend of expertise including informatics, industry, domain, regulatory, and IT which will be leveraged to assure your Clarity LIMS extension or integration project's success.

At CSols we deliver Excellence in all that we do for our clients and partners by actively practicing what we have termed "Excellence by Design™" (EbD). EbD is based on industry best practices which we have derived and developed through leveraging our broad and deep informatics, industry, regulatory, and laboratory experience. Utilizing this knowledge and experience,

CSols has developed methodologies, processes, and practices that plan excellence into its endeavors and deliverables up front. In addition to planning for Excellence, actively practicing EbD also reduces project costs, resource effort, and delivery timelines.





Excellence by Design for Clarity LIMS Users

As a GenoLogics Development Partner, CSols offers the following services for Clarity LIMS. All work is performed and supported by CSols' own CCADs.

Clarity LIMS Enhancements & Extensions

Whether you have recently completed your initial Clarity LIMS implementation or have been in operation for years, your needs and requirements will invariably expand and change. These new requirements may be for modifications and changes, new functions and features, or additional system entities like templates, workflows, or reports.

CSols will work with you to understand and document your scientific, business, and technical enhancement and extension needs and then develop and deliver your system improvements.

Deliverables Include:

1. Requirements Definition
2. Design Documents
3. Configuration Documents (if applicable)
4. Enhancement/Extension code
5. Unit / Integration test scripts

Project Expertise

Integrating your instruments and instrument systems to your Clarity LIMS will improve the scientist's workflow and efficiency by removing tedious manual data entry and cut and paste tasks, reduce transcription errors, improve information quality, and increase system adoption and utilization.

CSols will work with you to understand and document your scientific, business, and technical instrument integration needs and then develop and deliver your instrument or instrument system integration solution.

Deliverables Include:

1. Requirements Definition
2. Design Documents
3. Instrument/Instrument System integration code
4. Unit / Integration test scripts

Select CSols as your Trusted Advisor

Data generated in the laboratory and stored in a LIMS are often combined with other data, interpreted, and then translated into information usable to the researcher or organization. This includes the need to integrate informatics systems, hospital systems, biorepository systems, pathology systems, document management systems, data warehouses, business systems (Billing, Accounting, Human Resources), and a variety of other systems (ERP, Plant Historian Systems, CAPA, CMMS).

CSols will work with you to understand and document your scientific, business, and technical needs and then develop and deliver your Clarity LIMS integration solution.

Deliverables Include:

1. Requirements Definition
2. Design Documents
3. System Integration Code
4. Unit / Integration test scripts