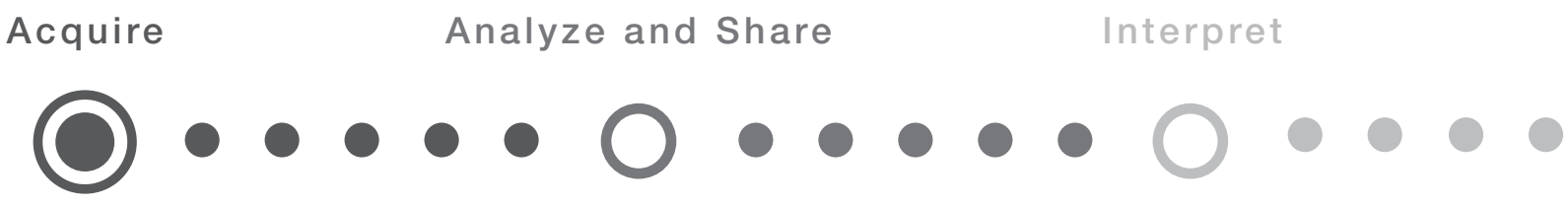
What is a LIMS?



A software-based laboratory information management system (LIMS) enables secure, automated, and scalable tracking and information management. The primary function of a LIMS is to track and store information about a sample from the time it enters a lab until it has undergone processing.

Going from a biological sample to a meaningful result can be a complex process involving many steps, people, and the potential for error. Genomics labs should have access to tools that help them efficiently and accurately acquire and manage sample data as it moves through the entire process. A LIMS can help.

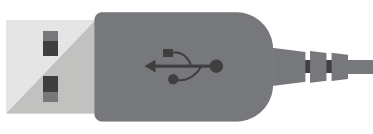
But a LIMS can do more than just track samples...

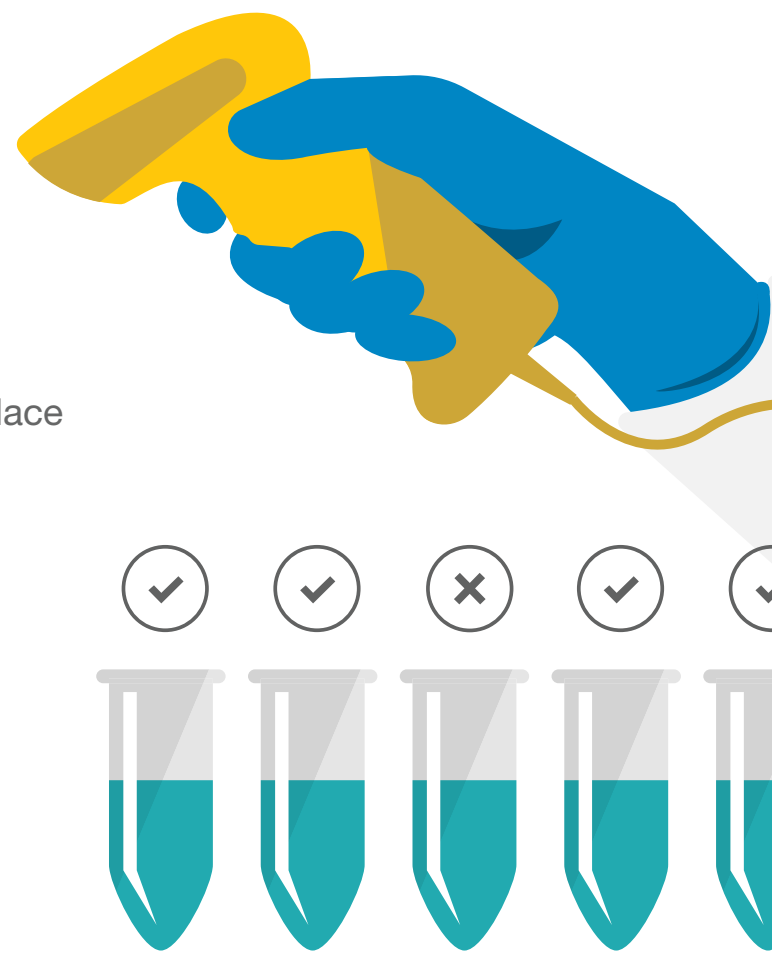
Sample accessioning

Avoid using spreadsheets and whiteboards and standardize sample data

Save time and reduce errors by entering information into the LIMS once–and only once–with any of the following methods:

- Barcode scanning
- Manual entry
- Integration with an electronic record or laboratory information system (LIS)





Quality control

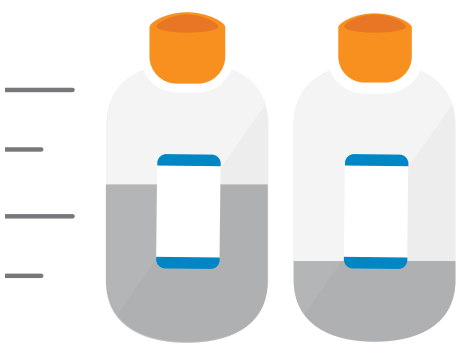
Store and access quality control (QC) information all in one place

- Standardize and automatically prevent poor-quality samples from processing.
- Avoid entering QC information separately.

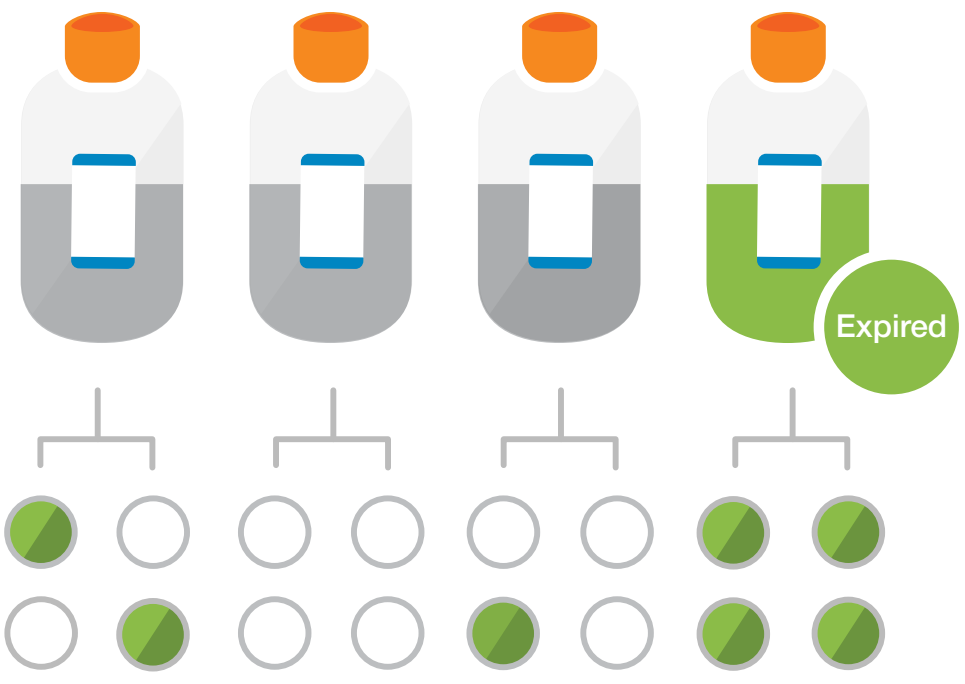
Sample prep

Know what samples are going where

Track reagents.



Prevent the use of expired lots.



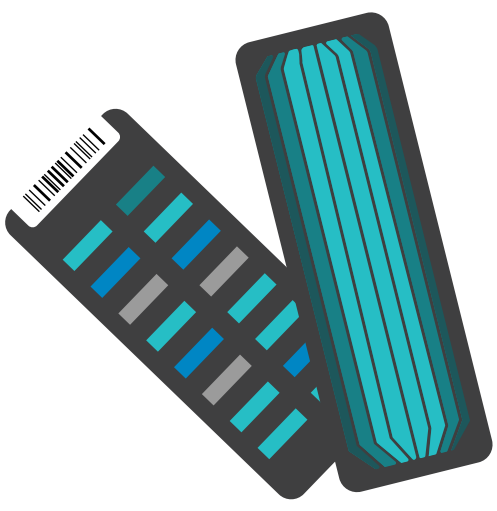
Instrument run

Upload data directly to the LIMS from the instrument

Monitor runs.

Prioritize runs.

Perform batch runs.



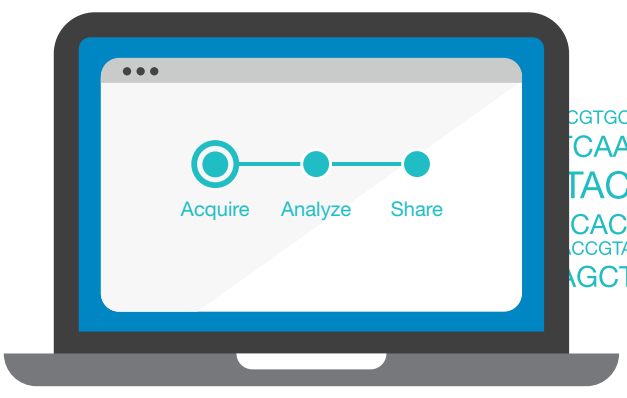
Reduce human error in manual data entry.

Save time and money by reducing costly mistakes.

Analysis preparation

Initiate downstream analysis workflows

A LIMS takes all of the instrument run data and pushes it to another location for downstream analysis. Automation streamlines processes.



Contact us for more information on how a LIMS can help your lab. Our LIMS solution, BaseSpace® Clarity LIMS, is designed specifically for genomics labs. As a key component in the BaseSpace Informatics Suite, it helps laboratories track samples, and can help reduce errors and optimize procedures and workflows.

Visit **www.illumina.com/informatics**

Pub. No. 970-2016-035

illumina®