

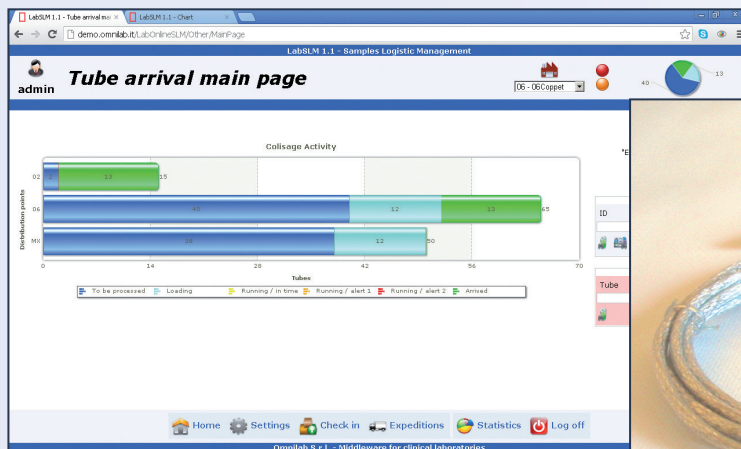


The aim of Lab.SLM (**Sample Logistic Management**) is to provide laboratories with an effective way to monitor the transportation of samples from multiple collection points to one or more core laboratories where they are processed.

Lab.SLM uses RFID technology to provide an intelligent and cost-effective solution for tracking and recording the temperature of samples during transportation (creating useful comments for each tube during transport).

Temperature levels are stored and displayed along with tube information, providing valuable information to ensure the quality of the process.

- ▶ **Lab.SLM** is a Web application (runs on any browser) **to manage and fully track the tube transportation process from any collection point to one or more core laboratories** (including one or more intermediate processing points).
- ▶ It is a unique tool to monitor the transportation process and to help production laboratories to plan resources according the real expected workload (hour by hour).
- ▶ Lab.SLM is a valuable solution for laboratories receiving tubes from many different collection points covering wide territories.
- ▶ Lab.SLM is configured as a stand-alone application (therefore needs a connection to an LIS or HIS) or as an additional module to AMS LabOnline. In this case it is just a plug-in and does not need any additional interfacing (and related costs).



It is possible to define:

- ▶ The Processing Laboratory for each sample type, according to its source
- ▶ The “expected” transportation time from any collection point to production laboratories
- ▶ The delta-time to highlight deliveries that are in various degrees of delay
- ▶ The allowed transportation temperature, depending on the box type and/or sample type

Functionality available at collection points

- › Check-in of all tubes with preparation of racks/boxes/containers (matching those used in the lab)
- › Assignment to a transporter (with generation of a Tracking Id and e-mail notification to destination points)
- › Tube check-out (with option to generate reports)
- › Real-time monitoring of the number of tubes arrived/processed in the destination core labs
- › Real-time alert when the expected time for delivery is elapsed
- › Information on the status of each single tube or sample
- › Retrieval of tubes/samples
- › Statistic displaying for TAT analysis

Functionality available for production laboratories

Receipt of automatic e-mails when tubes leave the collection point, with notification of Tracking Ids <

Check-in (by tube, by rack, by box, by container) <

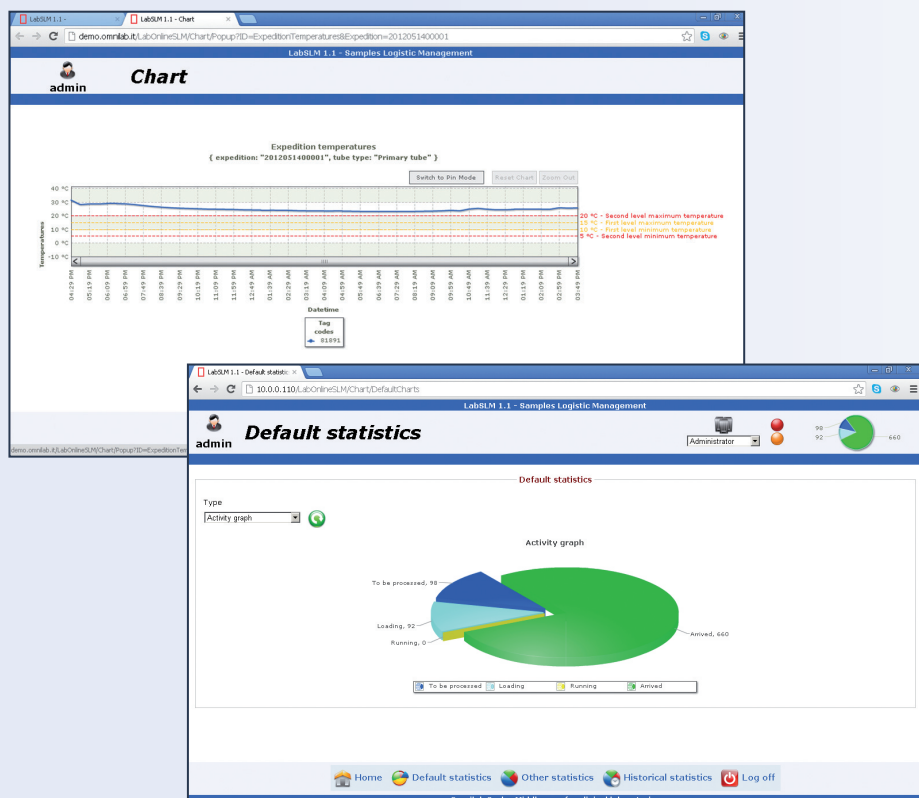
Real-time graphical monitoring showing the number of expected tubes (in total, or by tube type) for any period <
(i.e. from 9 to 10 in the morning)

Real-time alert when expected time for delivery is elapsed <

Knowledge of the status of each single tube or sample <

Retrieval of tubes/samples <

Statistic displaying for TAT analysis <



Integration with Lab.QA (Quality Assurance) to support and improve the quality of the process:

Automatic creation of NC (non-conformities) when expected time for delivery or other defined time intervals are elapsed.

Automatic creation of NC (non-conformities) when tube temperature during transportation exceeds allowed values.