



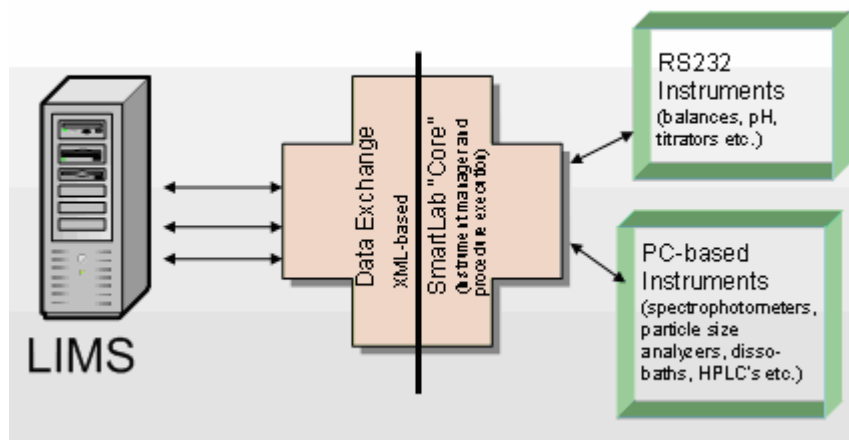
SmartLab™ ApplicationPak LIMS-Instrument Interfacing

The **SmartLab LIMS-Instrument Interface ApplicationPak** is a configuration of VelQuest's award winning SmartLab GMP Electronic Notebook System. It's an ideal solution for labs trying to put in a LIMS, but don't have the time or resources to commit to doing it via custom coding and constant revalidation. Now it's simple to get instrument data to your LIMS by using SmartLab's instrument manager, interface library, and our new XML-based Data Exchange driver. This configurable off-the-shelf solution is easy to install and validate.

Instrument Integration with LIMS without custom coding

The ultimate value of your LIMS project includes both the administrative controls and the productivity gains of your lab staff in executing the test methods and the minimization of compliance risks in proper documentation under cGMP conditions. The SmartLab LIMS-Instrument Interface ApplicationPak will complete the full implementation of your LIMS plan in less time and costs than attempting to accomplish this via traditional LIMS custom coding processes. By using our standard library-based Instrument Manager (within the SmartLab core software) and our new XML-based Data Exchange driver, the comprehensive integration of any instrument to any LIMS is greatly simplified.

SmartLab Instrument Manager and xml-based Data Exchange Module simplifies the integration of any lab instrument to any LIMS.



Industry Proven Technology and Extensibility to other Applications

The SmartLab LIMS-Instrument Interface ApplicationPak includes a data capture method template, instrument manager and library, XML-based transaction file template, and licenses for up to 50 instruments. Validation documentation, installation and on-site training is also included.

Since the ApplicationPak contains a full SmartLab GMP Electronic Notebook System core, you can add additional applications, methods, instruments and users at anytime to complete a full lab automation system. Our training programs allow you to expand the utility of the system without the need for outside services.

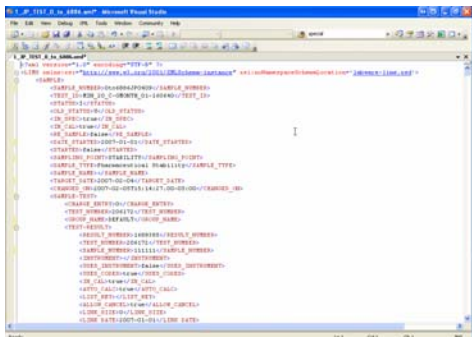
The ApplicationPak configuration gets you started fast and at low cost. Installation, validation and training to "go-live" can be done in as little as 45 days! Capture the total value of your LIMS investment by adding VelQuest's SmartLab LIMS-Instrument Interface ApplicationPak.



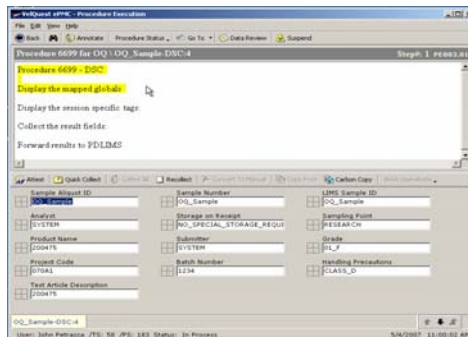
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Data Capture and Export Template

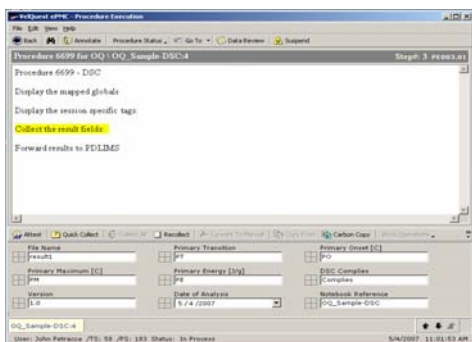
Within SmartLab, a data capture and export "method" is created to interact with the analyst while executing the quality test method. This test method accepts the sample and lot information from the LIMS via an xml transaction file. This file is created for any LIMS and is specified and templated by VelQuest during deployment. RS232-based instruments are interfaced using a simple protocol converter, with no extra PC required. PC-based instruments are integrated via our unique print driver and parsing system. Both interface techniques come standard with SmartLab.



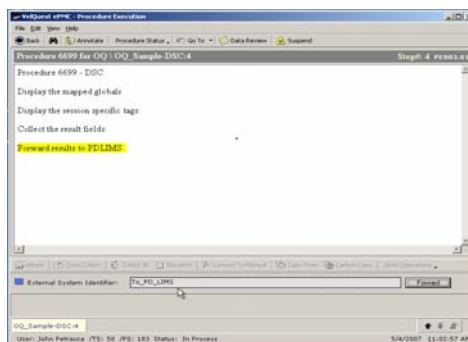
LIMS xml transaction file sent to SmartLab
LIMS-Instrument Interface ApplicationPak



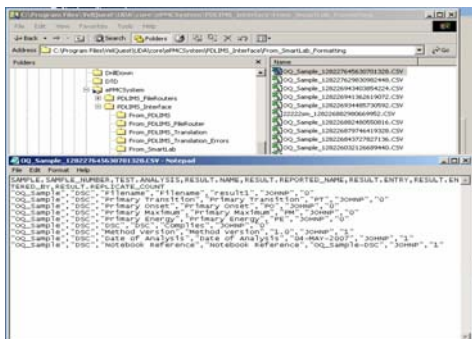
Instrument data capture template accepts LIMS
sample information and presents it to analyst



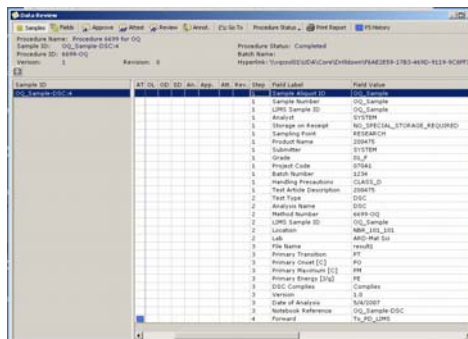
Data capture from instruments is automated
with values displayed to analysts



With a single mouse click, the data is sent
directly to the LIMS



Instrument data is forwarded to the LIMS in
any format that is accepted by the LIMS



Full audit trail of all data capture and transfer
can be seen in the data review dashboard