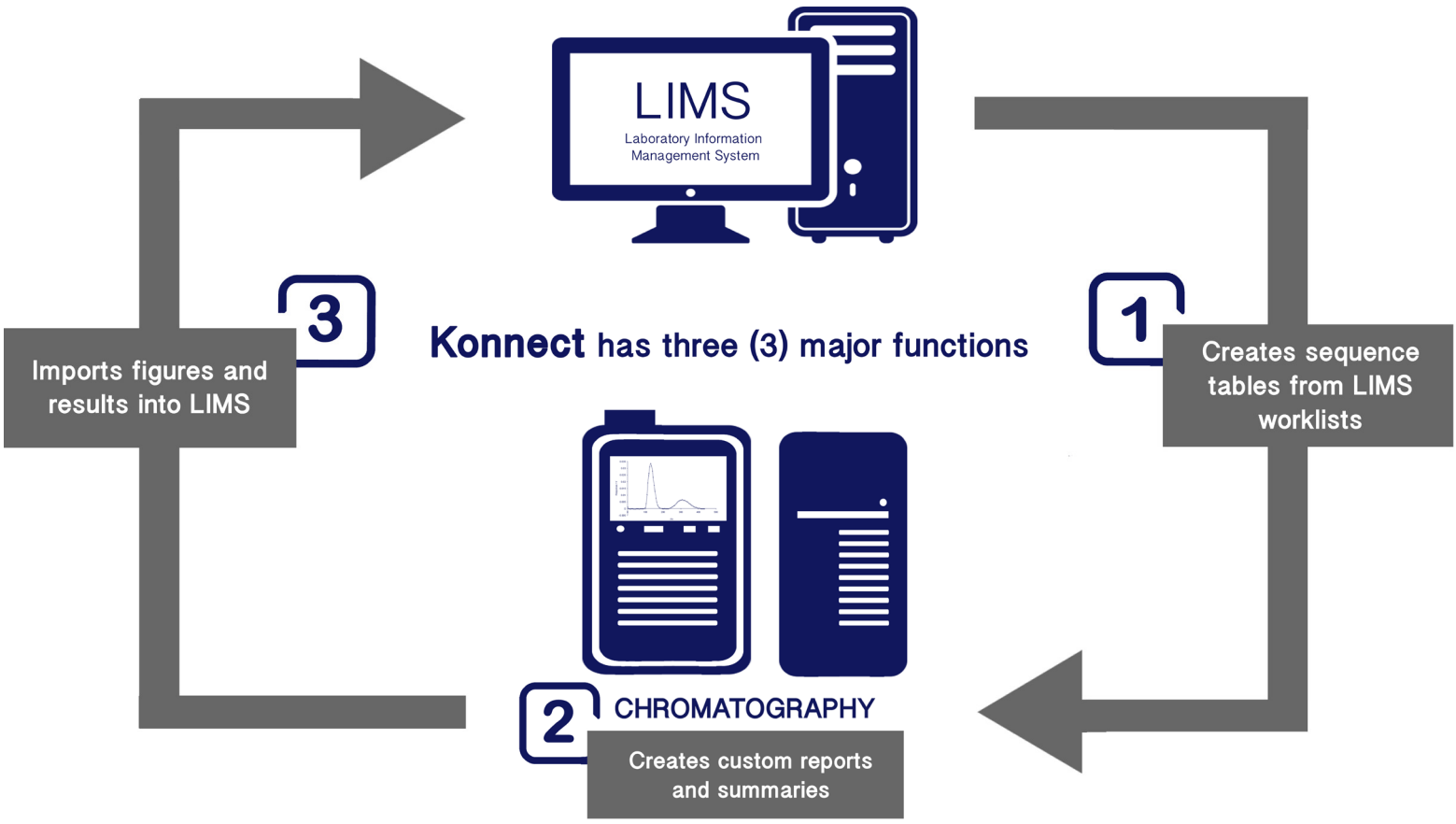
KONNECT

Moving information between chromatography instruments and a laboratory data management system can be slow, tedious, and prone to costly data entry errors. Konnect by KPrime Technologies is an easy-to-use software that addresses these issues by automating transfer of worklists, results, and figures between the laboratory and LIMS.

What does Konnect do?



Features

Fully Automated
Accelerate throughput with automated sequence tables and data importation

High Fidelity
Eliminate manual data entry for more reliable, error-free data management

Custom-Fit
Streamline validation of results with custom and comprehensive data summaries

Economic
Provides rapid return on investment

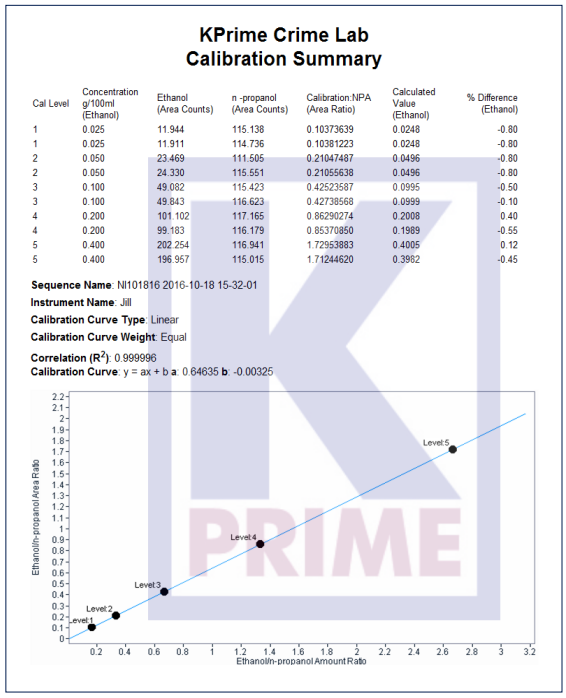
Workflow

Konnect workflow is defined in four (4) main steps as follows:

Who benefits from Konnect?

Konnect has been successfully implemented in several United States crime labs, to integrate blood alcohol and drug testing from Agilent OpenLAB Chemstation or Masshunter with their LIMS system. However, Konnect can simplify data management of any liquid or gas chromatography device.

Custom Reporting



KPrime Crime Lab
Calibration Summary

Cal Level	Concentration g/100ml (Ethanol)	Ethanol (Area Counts)	n -propanol (Area Counts)	Calibration:NPA (Area Ratio)	Calculated Value (Ethanol)	% Difference (Ethanol)
1	0.025	11.944	115.138	0.10373639	0.0248	-0.80
1	0.025	11.911	114.736	0.10381223	0.0248	-0.80
2	0.050	23.469	111.505	0.21047487	0.0496	-0.80
2	0.050	24.330	115.551	0.21055638	0.0496	-0.80
3	0.100	49.082	115.423	0.42523587	0.0995	-0.50
3	0.100	49.843	116.623	0.42738568	0.0999	-0.10
4	0.200	101.102	117.165	0.86290274	0.2008	0.40
4	0.200	99.183	116.179	0.85370850	0.1989	-0.55
5	0.400	202.254	116.941	1.72953883	0.4005	0.12
5	0.400	196.957	115.015	1.71244620	0.3982	-0.45

Sequence Name: NI101816 2016-10-18 15-32-01
Instrument Name: Jill
Calibration Curve Type: Linear
Calibration Curve Weight: Equal
Correlation (R^2): 0.999996
Calibration Curve: y = ax + b **a**: 0.64635 **b**: -0.00325

Figure 1. Example Calibration Summary for blood alcohol analysis

Konnect automatically generates report summaries, which allow you to review the results of your entire worklist at a glance. Currently, Konnect is configured to create the following summaries:

- **sample results**
- **quality control results**
- **calibration results**

These can be used together to simplify the process of analyzing and verifying data.
All of Konnect's summaries are custom-tailored to include the parameters and layout required by an individual lab.

Check Konnect video tutorial:
www.kprime.net/konnect

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