

LabVantage ELN & LES

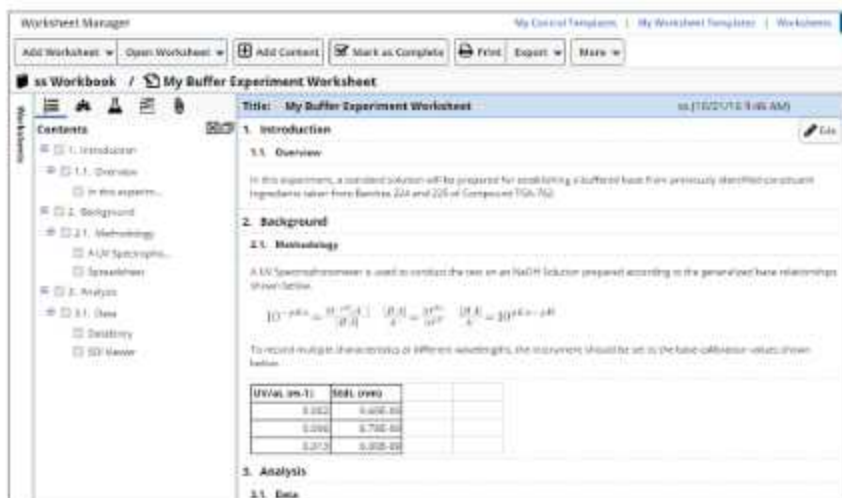
LabVantage Electronic Laboratory Notebook (ELN) and Laboratory Execution System (LES)

One powerful, fully-integrated platform for your lab.

Eliminate unnecessary paper records with the LabVantage Electronic Laboratory Notebook (ELN) and Laboratory Execution System (LES). Capture, organize, manage and collaborate experiments and test execution workflows across your organization with ease. With features designed to increase productivity while reducing errors, you can replace your paper lab notebooks and paper method worksheets with confidence. The LabVantage ELN and LES are fully embedded in LabVantage to provide a comprehensive and integrated lab automation solution.

Powerful Benefits

- ELN and LES are embedded into LabVantage maintaining a consistent look and feel
- No need to manage multiple vendor solutions or expensive and complex interfaces to LIMS
- Leverages LabVantage Instrument data capture features
- Highly responsive, web browser-based user interface means no client-side installation, validation or maintenance
- Fully HTML 5 compliant means broad browser support (IE, Edge, Chrome, Safari), including tablets



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Workbook / My Buffer Experiment Worksheet

Title: My Buffer Experiment Worksheet | 10/12/2015 9:46 AM

Contents

- 1. Introduction
 - 1.1. Overview
 - In this experiment, a standard solution will be prepared for producing a buffered base from previously identified component ingredients using Form Buffer, 224 and 225 of Component TGA 762
- 2. Background
 - 2.1. Methodology
 - A UV Spectrophotometer is used to conduct the test on an NaOH solution prepared according to the general base relationship shown below.
$$10^{-pH} = \frac{M_1 V_1}{(M_1 V_1 + M_2 V_2)} \left(\frac{M_1 V_1}{M_2 V_2} + 1 \right) \left(\frac{M_1 V_1}{M_2 V_2} + 1 \right)$$


$$\frac{M_1 V_1}{M_2 V_2} = 10^{pH} - 1$$

$$\frac{M_1 V_1}{M_2 V_2} = 10^{pH} - 1$$
- 3. Analysis
 - 3.1. Data

UVW (mL)	NaOH (mg)		
0.000	0.000-00		
0.000	0.760-00		
0.010	0.000-00		

Why LabVantage ELN?

- Provides a powerful electronic replacement for paper lab notebooks
- Accommodates structured and unstructured data
- Flexible, on-demand creation of notebook pages
- Fully searchable content
- Provides ability to define teams that can work collaboratively and share research information
- Publish notebooks in PDF and Word formats
- Seamlessly leverage LIMS features from within notebook pages



The screenshot displays a software interface for an Electronic Lab Notebook (ELN). At the top, there is a header with the title 'LabVantage ELN' and a 'New page' button. Below this is a table with columns for 'Date', 'Time', and 'Location'. The table contains several rows of data, including dates like '11/11/2016' and '11/12/2016'. Below the table, there is a section titled '1. All test results' with a list of items. Further down, there is a section titled '2.1. Equipment' with a list of items. The interface is clean and professional, with a white background and blue accents.

Why LabVantage LES?

- Provides automatically created, data driven test method worksheets for method execution
- Define, document and enforce method work steps
- Fully document execution of worksheets
- Simple setup and maintenance of worksheet templates



About LabVantage

LabVantage Solutions, Inc., the leading global laboratory informatics provider, is headquartered in Somerset, NJ and has offices around the world. LabVantage's industry-leading solutions and world-class services are the result of 35+ years of experience in laboratory informatics.

LabVantage offers a comprehensive portfolio of products and services that enable companies to innovate faster in the R&D cycle, run labs more efficiently, improve manufactured product quality, achieve accurate recordkeeping and comply with regulatory requirements. LabVantage serves thousands of labs across the globe from industries such as pharmaceutical, biotech, food & beverage, chemicals, CPG and more.

Learn More at: www.labvantage.com

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