

SmartLab™ Calibration ApplicationPak

Automates the Routine Validation and Calibration Tasks Required for All Instruments in cGMP Operations

The SmartLab Calibration ApplicationPak is a comprehensive software application used for all routine tasks associated with both simple and complex laboratory instruments in cGMP operations. These tasks include calibration, performance verification, and preventative maintenance. The Calibration ApplicationPak is powered by the same technology that drives the award winning SmartLab GMP Electronic Notebook System. The Calibration ApplicationPak can be implemented as a stand alone workstation or integrated within your existing lab IT system.



Routine calibration and system verification checks are automated with SmartLab Calibration ApplicationPak software. The calibration procedure is viewed on a wireless tablet PC with automated data capture, cataloging and reporting.

The Calibration ApplicationPak can be used to automate these routine tasks for all instruments common to cGMP lab operations (pipettes, balances, pH meters, titrators, spectrophotometers, HPLC, dissolution testers, particle size analyzers, etc.). Lab analysts and technicians can view the instrument calibration test method electronically on a portable tablet PC. Data is automatically captured at each method step, in real-time, as the method is executed. The procedures are your current test methods as written in MS Word and configured for use in the Calibration ApplicationPak.

Features include:

- Automated data capture from instruments at the time of method execution
- Barcode compatibility: create, print, and read labels that detail the calibration and expiration dates for each instrument. Available as an option.
- Automated reporting: Generate snapshot reports on the calibration status of instruments. Reports include metadata such as lab, location, instrument type, and calibration due date.
- Automated and validated calculations
- Flexibility: other routine procedures can easily be added to the system
- Scalability: Since the Calibration ApplicationPak is powered by the SmartLab core system, additional method-based applications like reagent preparation procedures and analytical test methods can be added at any time to complete a full GMP Electronic Notebook System.

The SmartLab Calibration ApplicationPak can be configured as a stand alone workstation or integrated as a networked application. If you are interested in learning more, please contact VelQuest Corporation at info@velquest.com.



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The SmartLab Calibration ApplicationPak can be applied to any method used to calibrate or test instruments in the lab. A balance is used in the example below:

Method Execution: The analyst views the procedure electronically on a wireless tablet PC, eliminating the need for paper printouts. All of the instrument data and metadata is captured automatically.



Calibration data review is done from the At-A-Glance™ dashboard. Green boxes indicate hyperlinks to instrument reports and supporting data files.

Data Review

Procedure Name: Balances, Verification and Minimum Sample Weight
 Procedure ID: TDD-BAL-001V Ver: 5.0 Rev: 4 Sample ID: 053CAL005 30 MAR
 Hyperlink: \\c6049\EPMC\Core\Drilldown\553E0D59-2E07-4596-BF24-5F2E1C69595E.udc

AT	OL	OD	SD	AN	A/A	Step	Field Label	Field Value	e2q	Who	Logon	How
						3	Test Type	Verification		Neil Szedler	nsz01 MN	
						3	Balance Class	Top Pan		Neil Szedler	nsz01 MN	
						3	Balance Model	PPM000		Neil Szedler	nsz01 MN	
						6	Balance Switched On/Yes			Neil Szedler	nsz01 MN	
						7	Balance Levelled	Yes		Neil Szedler	nsz01 MN	
						8	Balance Clean	Yes		Neil Szedler	nsz01 MN	
						11	Cal Fl Weight Set	#3374/Tag No 053C		Neil Szedler	nsz01 MN	
						40	5g Tare Weight	0.00		Neil Szedler	nsz01 EC	
						49	5g Weight	5.00		Neil Szedler	nsz01 EC	
						50	Actual 5g Weight	5.00		Neil Szedler	nsz01 FM	
						51	5g Zero Reset Weigh	0.00		Neil Szedler	nsz01 EC	
						52	50g Tare Weight	0.00		Neil Szedler	nsz01 EC	
						53	50g Weight	50.00		Neil Szedler	nsz01 EC	
						54	Actual 50g Weight	50.00		Neil Szedler	nsz01 FM	
						55	50g Zero Reset Weigh	0.00		Neil Szedler	nsz01 EC	
						56	500g Tare Weight	0.00		Neil Szedler	nsz01 EC	
						57	500g Weight	500.00		Neil Szedler	nsz01 EC	
						58	Actual 500g Weight	500.00		Neil Szedler	nsz01 FM	
						59	500g Zero Reset We	0.00		Neil Szedler	nsz01 EC	
						60	1Kg Tare Weight	0.00		Neil Szedler	nsz01 EC	

Detailed calibration reports are automatically generated.

VelQuest Report Viewer - Calibration Schedule

Instrument Manager Calibration Report

Location	Eq	Instrument Type	EQ	Last Calibration	Next Calibration	Status	Calibration Type
Site Office	Quality Assurance	Veritas Weigh	30502	08/14/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Precise Weigh	30503	08/14/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Precise Drop Weigh	30504	08/14/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Thom	30505	08/14/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Dry Cal Flow Meter	30506	08/14/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Tag 932 Member	30507	08/06/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Veritas Weigh	0902	08/06/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Precise Weigh	0903	08/06/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Precise Drop Weigh	0904	08/06/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Thom	0905	08/06/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Tag 932 Member	0907	08/06/2005	10/15/2005	Yes	Daily
Site Office	Quality Assurance	Dry Cal Flow Meter	0908	08/13/2005	10/15/2005	Yes	Daily
Site Office	201	Balance	0887	08/13/2005	08/15/2005	No	Periodic
Site Office	201	Dry Cal Flow Meter	1136	08/13/2005	08/15/2006	Yes	Daily
Site Office	201	Dry Cal Flow Meter	0887	08/14/2005	08/15/2006	Yes	Daily
Site Office	201	Dry Cal Flow Meter	2070	08/14/2005	08/15/2006	Yes	Daily
Site Office	201	Dry Cal Flow Meter	3084	12/02/2004	12/01/2005	Yes	Daily
Site Office	201	Wright Set	1476	08/16/2005	08/15/2006	Yes	Daily
Site Office	201	Wright Set	1477	08/16/2005	08/15/2006	Yes	Daily
Site Office	201	Wright Set	1478	08/16/2005	08/15/2006	Yes	Daily
Site Office	201	Wright Set	1479	08/16/2005	08/15/2006	Yes	Daily
Site Office	201	Precise Drop Weigh	2094	12/10/2004	12/15/2005	Yes	Daily
Site Office	201	Precise Weigh	1441	12/10/2004	12/15/2005	Yes	Daily
Site Office	201	Precise Weigh	3251	05/19/2005	11/09/2005	Yes	Daily
Site Office	201	Tag 932 Member	0101	08/02/2005	08/15/2006	Yes	Daily
Site Office	201	Balance	0903	11/10/2006	10/15/2006	Yes	Daily
Site Office	201	ChemLab	320500	12/10/2005	12/10/2005	No	None
Site Office	Quality Assurance	ZAP	54P 2007T	11/05/2006	01/26/2008	No	None



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