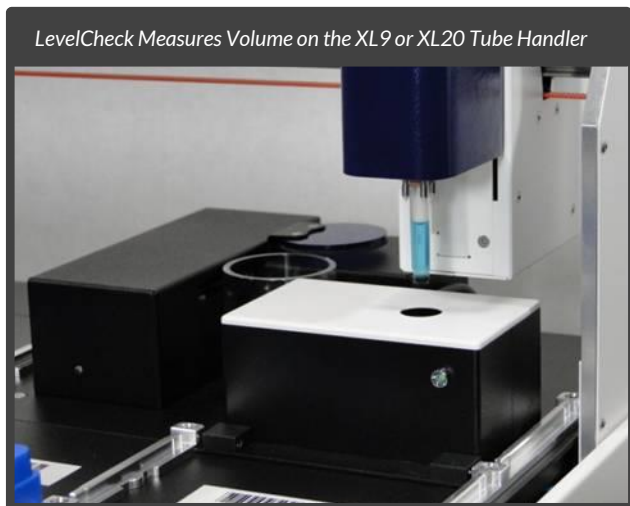




LevelCheck™ for XL9/20 Handlers

High-Speed Non-Contact Volume Detection

The XL9 and XL20 Tube Handlers can be equipped with either the LevelCheck or an Automated Balance to accomplish volume detection tasks.



Features

- Non-contact sensor detects sample volume
- Works with both capped and uncapped tubes
- Accuracy to expected volume +/- 10-15µL
- Easily integrates with all other XL9 or XL20 tube processing operations such as cherry-picking, barcode decoding, re-arraying and labeling
- Captures the 2D barcode and volume data in a single operation
- Captures tube image for visual inspection
- Outputs data file (.csv) and/or tube image (.jpg)
- LIMS integration ready
- Upgrade your existing XL9 or XL20 Tube Handler with volume detection capabilities



XL20 Tube Handler

Applications

- Detect sample volume and 2D barcode decode in one operation
- Sample library volume detection system
- High-throughput screening
- QC/QA and sample detection for mini-tubes
- Biobanking and compound sample management laboratories

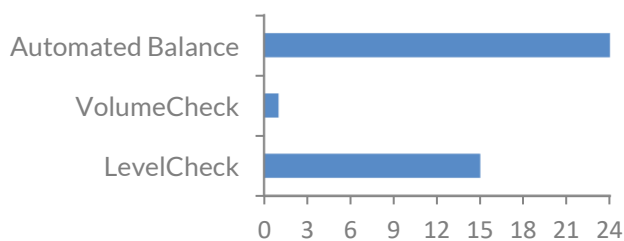
Speed

- Verify volume of one 96 tube rack in 15 minutes
- Verify volume and decode 2D barcode of one 96 tube rack in 17 minutes
- Faster than an automated balance

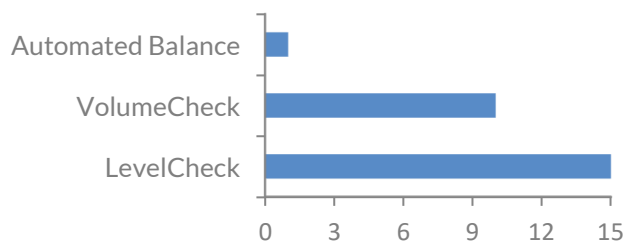


LevelCheck™ for XL9/20 Tube Handlers

Compare BioMicroLab's Volume Detection Instruments



Minutes to scan one 96 well plate or rack



Typical Accuracy (+/- µL)

Readability

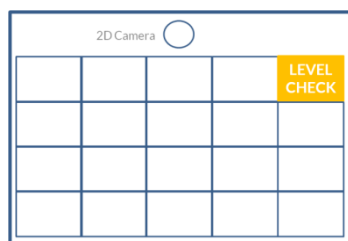
- Volume measurement typically +/- 10-15µL of expected volume
- The software creates a calibration table based on known sample volume vs. the meniscus location (distance)
- Samples without droplets on the wall of the well or air bubbles have higher readability
- For laboratories requiring the highest level of accuracy, consider the VolumeCheck™ or XL Series Automated Balance

Labware Compatibility

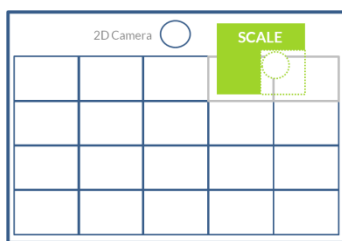
- ANSI/SLAS standard 96 well tube racks from BioMicroLab, Matrix, ABgene, Micronic, FluidX & more
- Plastic or glass tubes: 0.3mL to 1.4mL
- Additional tube size support available

Comparing Location of LevelCheck and Automated Balance on XL9/XL20

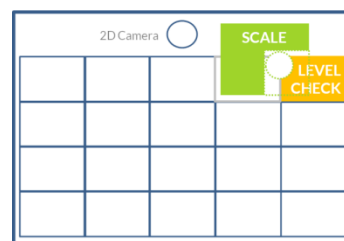
The LevelCheck requires one rack position; the Automated Balance requires two rack positions. The LevelCheck is mounted in rack position #5 (XL20; shown below in yellow) and #3 (XL9). The Automated Balance is mounted in rack locations #4 & 5 (XL20; shown below in green) and #2 & 3 (XL9). Installing both the LevelCheck and XL Series Automated Balance is possible.



XL20 with Level Check



XL20 with Balance



XL20 with LevelCheck and Balance

Specifications:	Electrical	Dimensions	Weight
	110-220 VAC 60Hz	5" w x 3.5" d x 2.1" h (12cm x 9cm x 5cm)	1.2 lbs (0.54 kg)
System Requirements: BioMicroLab XL Work List Manager Software v7.2+; Windows 10, 8, 7			
Environment: 10°C to 40°C; 10-90% RH			



BioMicroLab provides automation solutions for tube and vial handling, liquid handling, capping/decapping, labeling, volume detection, and 2D barcode readers for pharmaceutical, biotech, agricultural and research laboratories worldwide. We have a no-compromise commitment to equipping our customers with innovative and world-class sample management tools.