

# Universal Reader Validation Reference Plate (VRP)

Training

Services

Reagents

Instruments

*Assay Testing Solutions & Volume Verification*

- NIST Traceable, Chain of Custody
- Validate Reader Performance
- Validate Automated Pipetting Systems

**VRP simplifies and automates laboratory workflows by automatically validating and verifying reader performance.**

**Included in GLH QC Cal Kit modified Tartrazine single dye that follows ISO IWA 15 "Specification and method for the determination of performance of automated liquid handling (ALH) systems."**

*Works with Personalized Mini-Plate Reader and most off the shelf plate readers.*

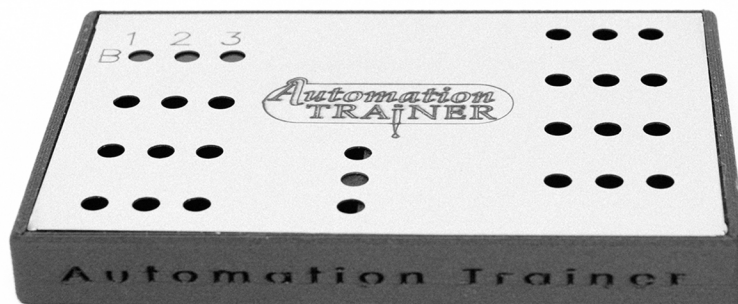
American ingenuity



*Tools and Services for the Simplification and Practical Application of Measurement Standards in Automated Liquid Handling and Pipetting Systems*

## Main Features

- ***In Field NIST Traceability of Reader***
- ***Maintain Chain of Custody***
- ***Excel based software for easy validation***
- ***Absorbance based known reference***
- ***Automatic standard curve for 96, 384, 1536 microplates***
- ***No manual pipetting required***
- ***Eliminates Operator error***
- ***Pathlength independence***
- ***Zero Evaporation***



- ***Just in Time Manufactured***
- ***Customized to different plate brands***
- ***Standardized for Greiner&Corning Costar***
- ***Easy to transport TSA compliant carry-on***
- ***Turn key technology***
- ***Works with almost all readers***

**Satisfaction Guarantee**

**Simple. Practical. Cost-effective.**

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PATENT PENDING Rev 20220926

**Simple. Practical. Cost-effective.  
Reliable , High Quality Results.**

Validation Reference Plate is the direct response to feedback gained from training scientists, engineers and academic researchers developing assays with automated liquid handlers wanting automated volume verification & calibration by use of GLH QC Cal Kit modified single dye method. These professionals, acquired our help in recommending automation equipment, workflow optimization, protocol, method development, service, & training on liquid handlers & lab automation systems.

### Specifications

<b>Part Number</b>	29005 – VRP universal for all readers	
<b>Physical characteristics</b>	SBS compatible foot print for 96,384, or 1536 well plate	
<b>General</b>	Detection Method	Absorbance
	Software	Desktop excel based Analysis/Reporting
	Manufactured	In USA
<b>Applications</b>	<input type="checkbox"/> Reader validation and photometric accuracy <input type="checkbox"/> Enables accurate automatic reference curve generation for 96,384, and 1536 well plates	
<b>Measurement</b>	Average Internal Tolerance: 0.4%	
<b>Wavelength filters</b>	<input type="checkbox"/> Standard Wavelengths: 425 nm, 450 nm, 620 nm, 630 nm, 650 nm; Custom Wavelengths Available	
<b>Traceability / Compliance</b>	Standards are manufactured in an ISO Certified, FDA inspected facility according to NIST standards.	

**Supports Most Plate Readers**  
Insert VRP, scan in seconds, automatically generates standard curve for reader and assesses reader performance or volume verifies Liquid Handler



**VRP for Mini-Reader**  
Universal Validation Reference Plate slim design works with USB powered Mini-Reader



**Fabrication – What’s inside**  
Fixed Pathlength known references

**Compatible with GLHTracker  
Analysis /Reporting software**



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