System Specifications

Typical Test Time	≤ 10 minutes + read time *(With established liquid class; robot and reader methods)*
Tip/Channel Configurations	1 to 1536-Channel Instruments (*Automated or Manual*)
Compatible Plate Formats	24-Well; 96-Well; 384-Well; 1536-Well
Dye Solutions	Tartrazine-Based
General Volume Range	24-Well: 0.1 - 10,000 µL 96-Well: 0.02 - 2,000 µL 384-Well: 0.005 - 500 µL 1536-Well: 0.001 - 100 µL
Traceable Volume Range*	24-Well: 0.4 - 5,000 µL 96-Well: 0.08 - 1,000 µL 384-Well: 0.02 - 250 µL 1536-Well: 0.004 - 50 µL
Uncertainty (Inaccuracy)**	24-Well: 0.4 - 1,000 µL, ± 1.5 - 2.0%; > 1,000 - 5,000 µL, ± 3.0 - 4.0% 96-Well: 0.08 - 200 µL, ± 1.5 - 2.0%; > 200 - 1,000 µL, ± 3.0 - 4.0% 384-Well: 0.02 - 50 µL, ± 1.5 - 2.0%; > 50 - 250 µL, ± 3.0 - 4.0% 1536-Well: 0.004 - 10 µL, ± 1.5 - 2.0%; > 10 - 50 µL, ± 3.0 - 4.0%
Random Error (Imprecision)**	24-Well: 0.4 - 1,000 µL, ± 0.5 - 1.0%; > 1,000 - 5,000 µL, ± 1.0 - 2.0% 96-Well: 0.08 - 200 µL, ± 0.5 - 1.0%; > 200 - 1,000 µL, ± 1.0 - 2.0% 384-Well: 0.02 - 50 µL, ± 0.5 - 1.0%; > 50 - 250 µL, ± 1.0 - 2.0% 1536-Well: 0.004 - 10 µL, ± 0.5 - 1.0%; > 10 - 50 µL, ± 1.0 - 2.0%
General Operating Conditions	Temperature: 14 - 30 C Relative Humidity: 20 - 70%
Traceable Operating Conditions*	Temperature: 17 - 27 C Relative Humidity: 30 - 60%
Notes	***Tests performed outside the indicated ranges or conditions are not traceable to national/international standards and declarations of uncertainty and random error are not made.** ****Top of the range of stated percentage specifications apply when the Byonoy Absorbance 96 Reader at 450 nm, GLH Validation Reference Plate (using the "Auto-Generate" function), and GLH Verification Microplates are used with Aqueous and DMSO-Based Test Solutions. Bottom of the range of stated percentage specifications could be achieved with more advanced measurement instruments.**
Warranty	The GLH QC Kit is for laboratory research use by trained users. Determination of its suitability for specific end-use is the responsibility of the user, who assumes all liability for loss or damage arising out of the use of the product. Warranty is limited to replacement of defective materials, if returned with authorization, within 1-year of purchase date.