

A User's Guide to Your First Self-Driving Liquid Handling Lab

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Pressure Driven Liquid Handler Dispensing Calibration Sampling

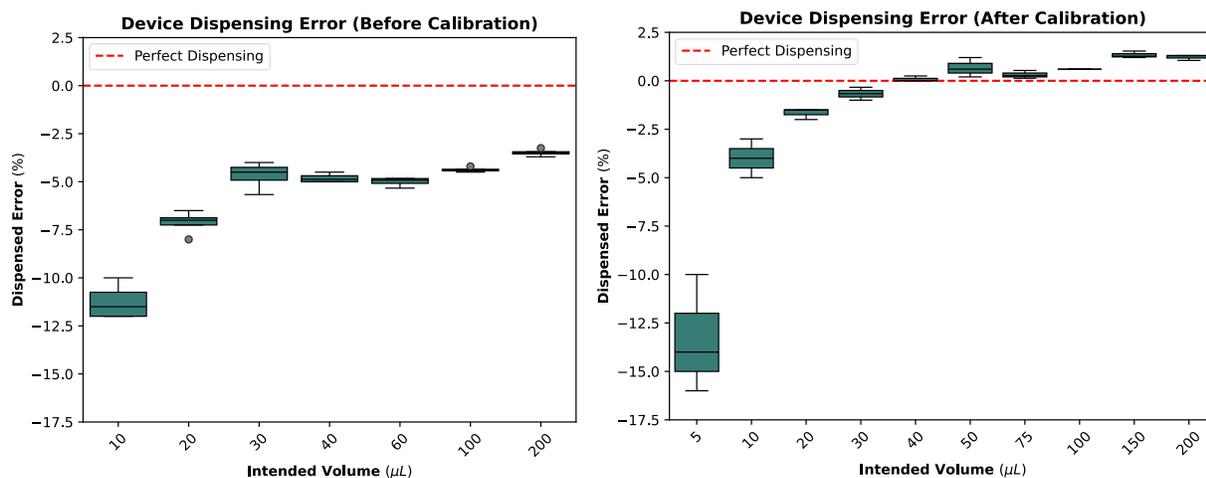


Figure S1. Pressure driven system dispensing error before and after calibration efforts. Red dotted line shows perfect dispensing.

Pen Plotter Liquid Handler Self Driving Lab

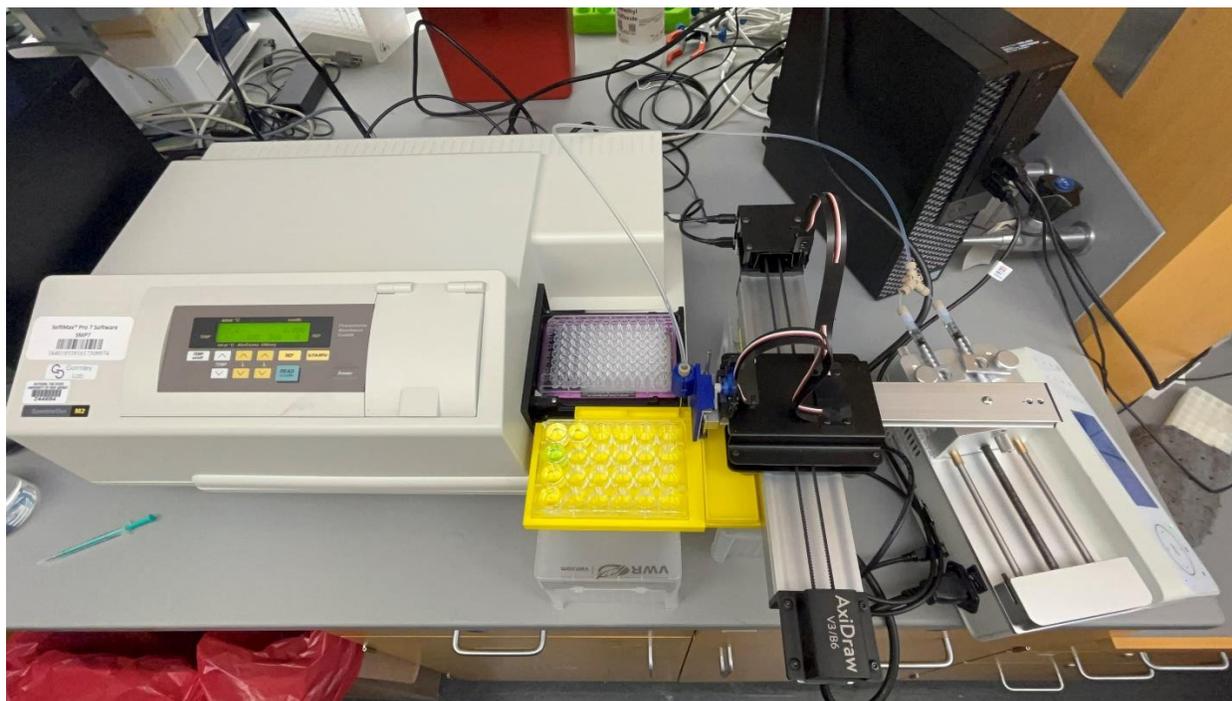


Figure S2. Pen plotter liquid handler integrated with a spectrophotometer.

Parameter Space Table

Overview of Design Space		
Additive	Class	Concentration Range
Phosphate Buffered Saline (PBS) (pH 7.4)	Buffer	0.1 M
Horseradish peroxidase (HRP)	Enzyme	22.7-114 nM
Glucose oxidase (GOx)	Enzyme	2.6 - 13 nM
Glucose	Substrate	69.4-347 mM
2,2'-azino-bis (3-ethylbenzothiazoline-6-sulfonic acid) (ABTS)	Chromogenic substrate	168.2-841 μ M

Table S1. Described design space used for GOx active learning campaign. Describes the name of the additive, class, and overall concentration ranges used.