How the 96VVP Cuts D.O.E Times

If your company performs:

- Plate normalizations
- Serial dilutions
- Any D.O.E. using liquid automation

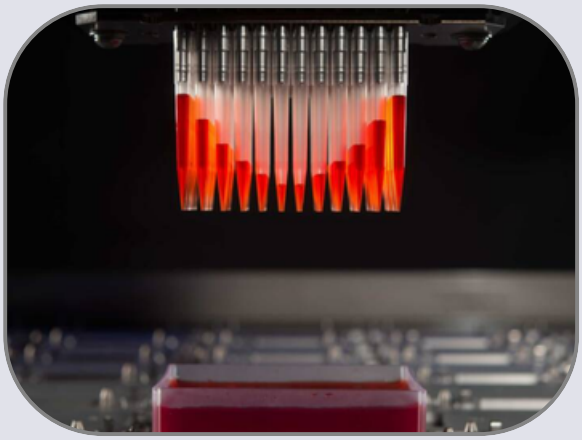
Consider the **Lynx 96VVP**, which can perform 96 independent volume transfers simultaneously!

VVP Technology

Independent Volumes for Each and Every Channel

VVP can concentrate and normalize up to 96 unique samples in one pipetting step, in under 30 seconds start to finish.

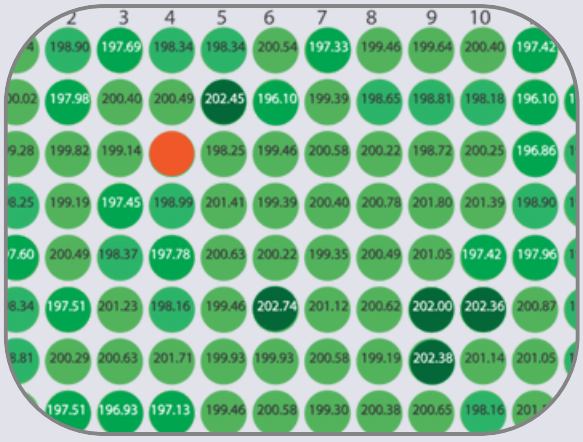
Greatly increases pipetting workflow efficiency



Direct Volume Measurement of Every Liquid Transfer

VVP performs ongoing flowrate analysis for each liquid channel to diagnose and correct sampling issues.

Total pipetting confidence with real-time volumetric verification



D.O.E. Example for 96VVP

4x4 Combo Dose Response Testing

1 Drug 1 & 2 Preparation:

- The user adds 4 drugs to the divided trough
- The Lynx aspirates enough volume for 8 replicate samples and multi-dispenses to the appropriate dilution plate
- Media is dispensed to the dilution plates to bring each well to a total 160 µL
- Upon dispensing media, timestamps are captured to record drug preparation time
- Repeat this process for Drug 2

Cuts wasted back-and-forth movement by simultaneously transferring all 96 channels

Drug 1 Concentrations: A & B

	1	2	3	4	5	6	7	8	9	10
B	8	16	32	64	128	8	16	32	64	128
C	8	16	32	64	128	8	16	32	64	128
D	8	16	32	64	128	8	16	32	64	128
E	8	16	32	64	128	8	16	32	64	128
F	8	16	32	64	128	8	16	32	64	128
G	8	16	32	64	128	8	16	32	64	128
A	0	0	0	0	0	0	0	0	0	0

Drug 2 Concentrations: A & B

	1	2	3	4	5	6	7	8	9	10
A	0	0	0	0	0	0	0	0	0	0
B	128	128	128	128	128	128	128	128	128	128
C	64	64	64	64	64	64	64	64	64	64
D	32	32	32	32	32	32	32	32	32	32
E	16	16	16	16	16	16	16	16	16	16
F	8	8	8	8	8	8	8	8	8	8
G	8	16	32	64	128	8	16	32	64	128

2 Drug 1 & 2 Addition to Cells:

- All drug dilutions are mixed prior to being mixed in the 384-well combo plate
- Following dispense, a time stamp is recorded for the addition of Drugs 1 & 2

Entire process takes *less than 15 minutes*

Easy transfer between different density labware (96-well to 384-well)