

Tecan D300e Digital Dispenser

Picoliter dispensing for rapid, reproducible assay set-up



Faster, more reliable picoliter dispensing

Repetitive manual pipetting and tedious serial dilutions for drug discovery assays just became a thing of the past. With Tecan's D300e digital dispenser, you can automatically dispense any volume into any well of any assay plate, quickly and easily. Simply add your liquid to the Dispensehead and let the instrument do the rest.

Remarkable time savings

- Eliminates multiple steps from your workflow, allowing you to set up and run assays in a fraction of the time.
- Minimizes manual pipetting, enabling scientists to focus on more important tasks and reducing repetitive strain injuries.
- Enhances throughput with simple yet sophisticated software and application-focused wizards.
- Automatically calculates all concentrations and volumes for faster, simpler plate set-up.

Incredible simplicity

- Clear, easy-to-use software guides users through every operation, minimizing training times and increasing accessibility.
- Built-in wizards simplify the creation and execution of complex plate layouts.
- Highlighted loading guide identifies the correct pipetting location for faster, simpler and more accurate operation.

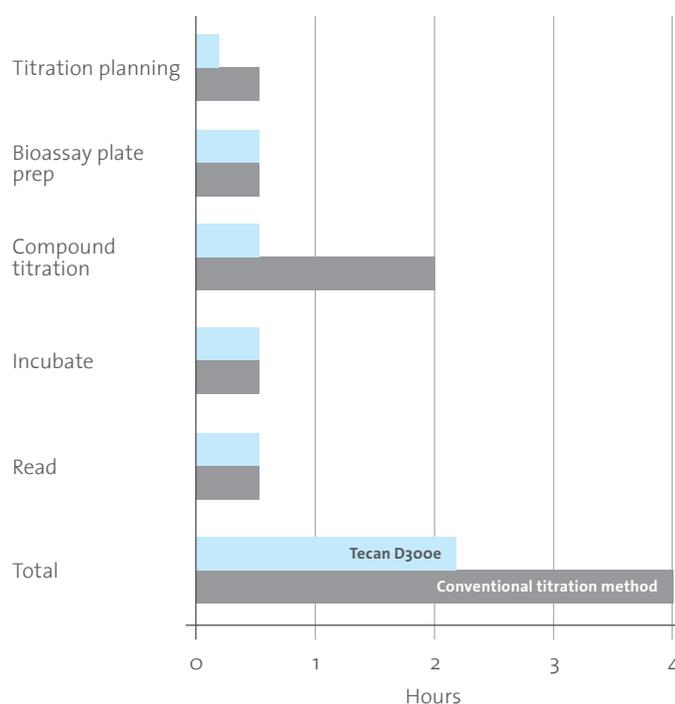
Amazing flexibility

- Dispenses DMSO or aqueous fluids with a surfactant, ideal for applications with large or small molecules.
- Provides accurate dispensing across an extremely wide working range, from 11 pL to 10 µL.
- Offers complete assay flexibility by dispensing any volume into any well of any microplate.

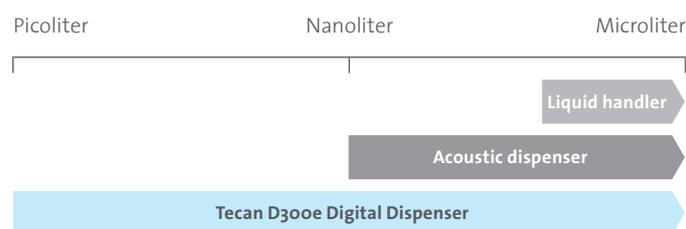
Unparalleled confidence

- Delivers high quality, reproducible dispensing across multiple users and even multiple sites for excellent data and fewer repeat experiments.
- Eliminates carryover and contamination with non-contact dispensing using disposable Dispenseheads.
- Saves precious samples and reduces costs by minimizing dead volumes.

Accelerate your drug discovery process by avoiding the bottlenecks of titration



Enjoy greater flexibility with an unparalleled dynamic range



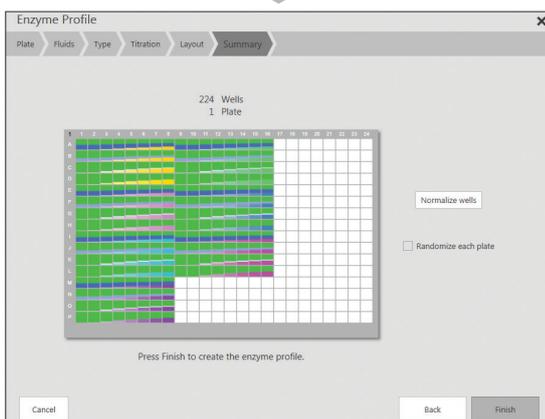
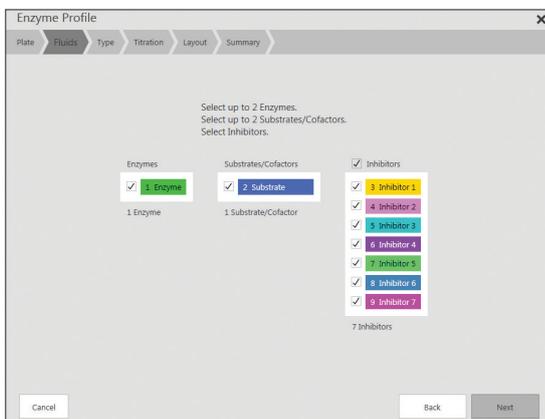
With an unparalleled dynamic range stretching from 11 pL to 10 µL, the D300e outperforms other dispensing systems and allows you to dispense directly into assay plates to avoid tedious serial dilutions.

A clear interface. A simple interaction.

From programming to running, D300eControl software has been designed to streamline every step of the dispensing process for faster, simpler operation and more reliable, reproducible assays.

Programming/set-up

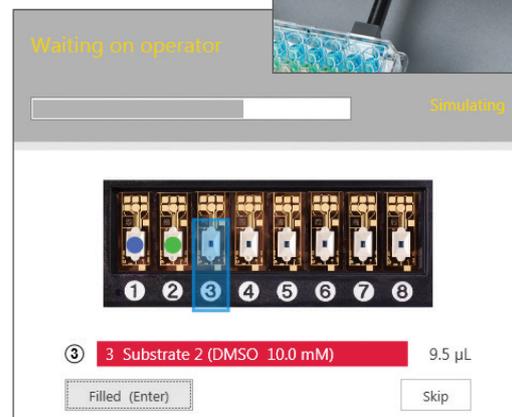
- Colorful graphics make it easy to design and specify plate layouts.
- Quickly configure your assay format for 12- to 1,536-well microplates.
- Simply enter your desired concentrations and the software will automatically specify appropriate volumes - no more manual calculations.
- Avoid edge effects by randomizing samples across a plate with one click and de-randomizing during analysis.
- Backfill DMSO or other fluids with a single click for easy normalization across all wells.
- Synergy and Enzyme Wizards make even the most complex experiments routine.
- User-selectable predefined fluid classes eliminate set-up work and ensure precise, accurate results every time.



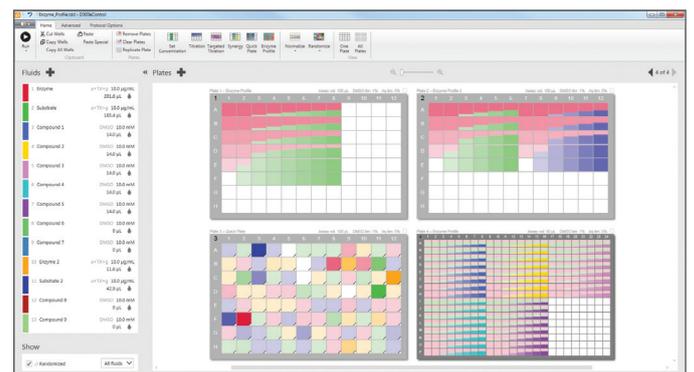
Application-specific wizards make it quick and easy to create even the most complex plate layouts.

Run time

- Double-check the accuracy of your run before it starts with the convenient Summary Review feature.
- Eliminate wasted time and materials using the Simulation Mode to identify any programming errors prior to a run.
- Ensure greater accuracy and confidence with real-time display of actual load volumes.



Highlighted loading guide identifies correct pipetting location, walking users through the loading process for faster, simpler, more accurate operation.



Dispense any volume into any well for complete assay flexibility and infinite plate layout options.

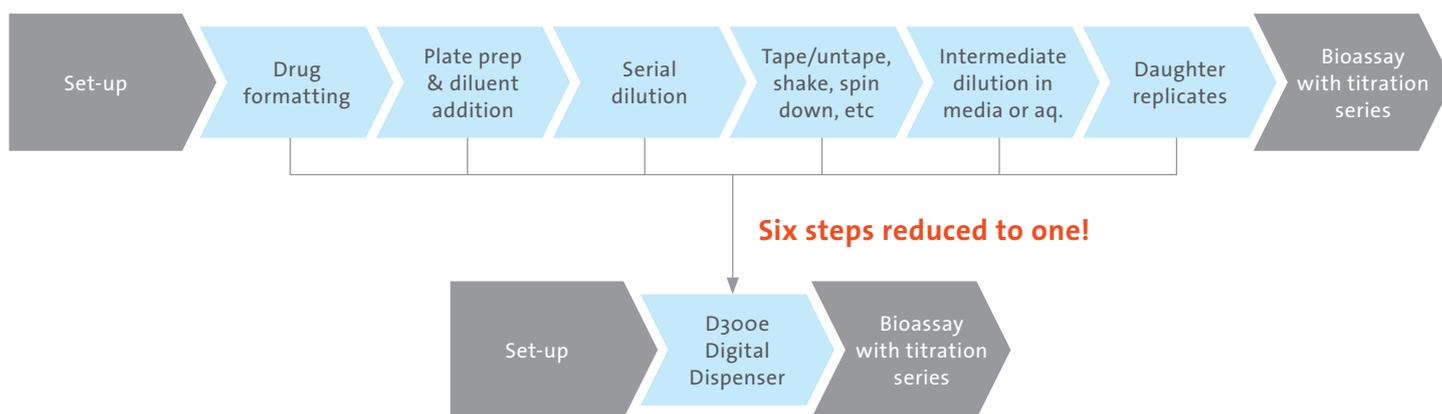
The perfect tool for assay set-up.

With DMSO and aqueous* dispensing capabilities, the D300e answers the needs of a broad array of applications across multiple laboratory types. What can it do for you?

Applications		
Proteomics/biomolecule drug discovery	Assay set-up	Dose-response curve preparation for evaluation of new biologics
Genomics	PCR set-up	Low volume dispensing of nucleic acids
	Assay set-up	Low volume dispensing of oligonucleotides
Enzymology	Enzyme profiling	Independent titration of enzyme, substrate and inhibitor
Small molecule drug discovery	ADME/mass spec	Adding calibration standards and quality controls
	Cell-based assays	Dose-response curve set-up in cell plate
	Biochemical assays	Dose-response curve set-up directly in assay plate
Other	Cosmetics	Dose-response set-up for actives testing

A true innovation in picoliter dispensing, the D300e eliminates as many as six steps from your workflow for unparalleled speed, simplicity, efficiency and productivity.

Streamlining a traditional titration method with the D300e



Added speed and efficiency - dispensed daily.

For more information or to start accelerating your drug discovery assays today, contact your nearest Tecan office or visit www.tecan.com/D300e

*Aqueous fluids with a surfactant

Tecan—Who we are

Tecan (www.tecan.com) is a leading global provider of laboratory instruments and solutions in biopharmaceuticals, forensics and clinical diagnostics. The company specializes in the development, production and distribution of automated workflow solutions for laboratories in the life sciences sector. Its clients include pharmaceutical and biotechnology companies, university research departments, forensic and diagnostic laboratories. As an original equipment manufacturer (OEM), Tecan is also a leader in developing and manufacturing OEM instruments and components that are then distributed by partner companies. Founded in Switzerland in 1980, the company has manufacturing, research and development sites in both Europe and North America and maintains a sales and service network in 52 countries.

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