



UNIQUE FLOWBOT® ONE SOFTWARE FEATURES

The flowbot® ONE software comes with a full set of advanced and unique features to optimize your protocol. Its guided user interface, mimicking the deck of the robot, allows you to choose the features you want with a single click as you set up your program.

Liquid Level Detection

The flowbot® ONE can perform pressure-based liquid level detection.

- ② Contributes to a more efficient workflow.
- ② Frees you from making and programming calculations.
- ② Gives error message if you run out of liquid.

✓ Use for any volume transfer where reagents have different volumes.

Prewetting and Mixing

‘Prewetting’ allows you to mix liquid in the source while

‘Mixing’ allows you to mix liquid in the target.

- ② Useful to reduce liquid adhesion to the plastic of the tips.
- ② Great tool for increasing dispensing precision.
- ② An effective way of homogenizing the solutions before dispensing into a master mix.
- ② Allows you to mix in multiple heights of your own choosing.
- ② Enables you to choose your own number of repetitions.

✓ Use in protocols that include different liquid classes.

✓ Use for mixing different reagents with different viscosities.

Bottom Touch

In bottom touch, the pipette tip touches the bottom of the target vessel after it has dispensed liquid.

- ② Great for pipetting small volumes into dry vessels.
- ② Ensures that the liquid doesn’t stick to the tip.
- ② Enables you to program the pipette tip to touch the bottom of various tubes and wells of different sizes, eliminating the need to manually calculate their individual depths.

✓ Use for e.g., ELISA prep., PCR and NGS

Contact Aspiration

In contact aspiration, the pipette tip touches the bottom of your source and moves up a number of millimeters of your choice before it aspirates.

- ② Great for aspirating small volumes from the target tubes.
- ② Enables you to aspirate small volumes in various tubes and wells of different sizes without the need of manual volume calculations.

✓ Use for e.g., ELISA preps, PCR and NGS

Total Volume Transfer

When using Total Volume Transfer, the entire source contents will be moved to one or several tubes or wells until no more source sample is left. This is determined by automatic Liquid Level Detection.

- 🕒 Records and reports the sample identity and volume transferred.
- 🕒 Great for samples that have been used partially and where the total volume of the source tube/well is unknown.
- 🕒 Ensures a very low dead-volume.
- 🕒 No need to manually add the sample transfer steps.

✓ Use for Biobank management, biobank volume audit, compound management.

Add Breakpoints

Adding breakpoints in your program is made easy in the software.

- 🕒 Simply tick the box when you need the function and choose duration.
- 🕒 Use for all applications with incubation on the deck of flowbot® ONE.

✓ Use when adjusting the components on the deck of flowbot® ONE.

Upload CSV files

When setting up a program on flowbot® ONE, you can either program it in the user interface with drag and drop or you can upload a CSV file that automatically inserts all of your steps into the program.

✓ Very practical for cherry picking or for running a standard program with varying amounts of samples.

Re-use Tips

This feature is created to reduce the used amount of plastic and other resources whenever it is safe to re-use tips.

- 🕒 Re-use previous tip
- 🕒 Same tip for entire move

✓ Use whenever you are using the same reagent in different targets.

Add Loops

Adding loops in your program is made easy in the software.

- 🕒 Simply tick the box when you need the function.

✓ Use for magnetic bead purification with several washing steps.



DISCOVER FLOWBOT® ONE

With flowbot® ONE, you get an affordable liquid handler that easily accommodates different needs in agile labs.

A guided user interface, drag and drop programming, browser-based software, and an open API shape intuitive and flexible software that requires neither coding nor scripting.

All of this is wrapped up in high-quality plug & play hardware with 12 positions on the deck.

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