Optimizing Automated Liquid Handling Protocols

BRAND Liquid Handling Station (LHS)
Liquid Handling Station

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Compact:
- W 23.4 x D 19.1 x H 27.2 inches
- Innovative, hinged lift door
- Lightweight (~55lbs)

True Benchtop System!
Liquid Handling Station

Versatile:

- 7 flexible working positions (8th dedicated to waste container)
- Use with microplates, PCR plates, microcentrifuge tubes, reagent reservoirs
- 5 Liquid Ends: 3 single & 2 multichannel; pipetting from 1 µL to 1000 µL
- Ideal for many applications: PCR/ELISA set up, serial dilutions, cherry picking, DNA normalization, plate reformatting, and more!

Flexibility to meet your pipetting needs!
Easy to Use:

• Quick and easy manual Liquid End change
• INTUITIVE SOFTWARE!

Simply uncomplicated!
User Friendly Software

Easy to Use:

- PC-Windows® Based Software
  - Familiar left- and right-click functions
- Simple Graphical Interface
  - Consistent 3-part layout throughout software with work table in center
  - Easy labware selection

Simply uncomplicated!
Easy labware selection: 1, 2, 3!

1. 

2. 

3.
Four Simple Commands:

1) Transfer
   - Primary command

2) Wait
   - Provides a timed pause for incubation periods

3) Mix

4) Break
   - Manual interruption for external handling (i.e. heated incubation or shaking)
Software Features

Drag, Drop, and Click Transfers
- Useful for simple liquid transfers

Data Import/Export
- Especially useful in applications such as cherry picking or DNA normalization
- Import information from a Data file or Clipboard
- Avoid pipetting and transcription errors
Software Features

Error Checking
– During command set-up
– At Method Check (Execute)
Software Features

- **Labware List**

- **Email Capabilities**

- **Time Calculations**
Software Features

3D Simulation Mode
Protocol optimization and process verification:

- Graphical interface allows for easy work table setup
- Easy drag, drop, and click work table arrangement and transfer setup
- Multiple programming error checkpoints
- 3D Simulation for method viewing and time calculations

Stop by the BrandTech table for a live demonstration...
Thank you!

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