

Microlab 600

New Dry Weight Dilution Wizard

Please update the software on your system to the [2.0.6050.XXXX](#).
[Use this link](#) to get to the download area

The Dry Weight Dilution Wizard will be part of the standard Wizard offering. In other words, you will not need to add the plug in on your instrument like you need to do with the Disposable Tip Hand Probe (DTHP) Wizards (DT Dilution and DT Multi-Sample) and the Multi-Sample Dilution Wizard.

From the Main Menu select Wizards → Dry Weight Dil.

Press the New button you will see the following (see Figure 1)

You can select a new Dry Weight Dilution (in which case the first time you come to this screen you will be required to add Library Definitions)

You can create a folder for these dilutions.

You can start to add Library Definitions.

If you are only doing one Dry Weight Dilution then I would recommend that you select Dry Weight Dilution.

If you have multiple Dry Weight Dilutions to perform (different samples and solvents) then I would recommend that you select Add Library Definitions.



Figure 1: Select Dry Weight Dil.

After making your selection from above you will be taken to the Library Definitions page.

Library Definitions

You may select from Solvents, Samples, or Balances, see Figure 2.

Solvents – may only be liquid

Samples – may be a liquid or a powder



Figure 2: Select Component Type

1) Inputting Solvents

- Select Solvent
- Press New
- Enter Name
- Enter solvent density (g/mL)
- Repeat for all solvents

2) Inputting Samples

- Select Sample
- Press New
- Enter Name
- Enter Molecular Mass for sample (g)
- Enter Purity
- Repeat for all samples

3) Inputting Balances

- Select Balances
- Press New
- Enter Name
- Enter Serial Number
- Enter Calibration Date
- Enter Calibration Expiration Date



Distributed by:

Tallaght Business Park
Whitestown, Dublin 24,
Ireland
D24 RFK3

Quattro House, Frimley Road,
Camberley,
United Kingdom
GU16 7ER

Tel: (01) 4523432

Tel: 08452 30 40 30

Fax: (01) 4523967

Fax: 08452 30 50 30

E-mail: info@labunlimited.com

E-mail: info@labunlimited.co.uk

Web: www.labunlimited.com

Web: www.labunlimited.co.uk

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Now you need to back out to the Select Dry Weight Dil. screen, see Figure 3.

- Select New
- Select Dry Weight Dilution
- Select Solvent
- Select Sample
- Enter concentration and desired units
- Determine whether to confirm dispensed solvent
- Determine whether the user needs to input a lot number
- You are then taken to a Edit DWD screen where you can save the method.



Figure 3: Dry Weight Dil. Screen

Running the Method

After inputting all the values and desired concentrations you get taken to screen that looks like Figure 4.

You will weigh the powder on a scale and in my example get it as close to 2.63 mg as you can. Let's say it was 2.65 mg.

Press the Actual Weight and input 2.65 mg, the instrument recalculates the required solvent to reach the proper concentration and total volume.



Figure 4: Running the Method

If you had selected to verify the weight again after the solvent was added you would then be required to enter the final weight.



Figure 5: Enter final volume

Distributed by:

Lab Unlimited
CARL STUART GROUP

Tallaght Business Park
Whitestown, Dublin 24,
Ireland
D24 RFK3

Quattro House, Frimley Road,
Camberley,
United Kingdom
GU16 7ER

Tel: (01) 4523432
Fax: (01) 4523967
E-mail: info@labunlimited.com
Web: www.labunlimited.com

Tel: 08452 30 40 30
Fax: 08452 30 50 30
E-mail: info@labunlimited.co.uk
Web: www.labunlimited.co.uk

HAMILTON