

Preparing Your Dissolution Instruments for Shutdown

In the event your company must temporarily shut down, it is important to follow these steps to avoid potential problems when you return. Dissolution systems don't require too much preparation, but these simple actions should help you get back up and running quickly.

Note: It is important to store cables, tubing, and any removable parts with apparatus, collectors and online systems. Label disconnected items if there is a possibility that items may be separated or relocated during this time so they will be easily reunited with their original equipment.

Dissolution Apparatus Preparation



Agilent 708-DS Dissolution Apparatus

Please do/check the following things before leaving the equipment.

1. Heater and Water Bath

Turn off the heater/circulator, disconnect power source and control cable, and drain the water bath. We recommend performing the normal cleaning procedure but with extra care. Empty the water bath as you normally would. Once that is done, disconnect the tubing connecting the water bath with the heater/circulator. Lift the heater/circulator to drain the water in the heater/circulator itself and any connected tubing.

If the tubing is discolored or has growth in it, replace the tubing, or order a new length. This tubing length is the most frequent reason for a fast return of algae/bacteria after cleaning.

When cleaning the water bath, only use water and nonabrasive soaps and either a soft sponge or a paper towel. Never use abrasive agents, bleach, alcohol, etc. If you want to use anything other than water and a gentle soap, please ensure it is friendly with acrylic baths.

2. Clean Dissolution Components

Clean any paddles, baskets, basket shafts, vessels as you normally would. You may want to clean a little more aggressively with an alcohol rinse in addition to nonabrasive soap and DI water to remove any additional residue that may be on them.

For baskets, we recommend rinsing them in DI water, followed by sonication in alcohol. Place them in a protected case or suitable location to ensure that they don't get lost or damaged.

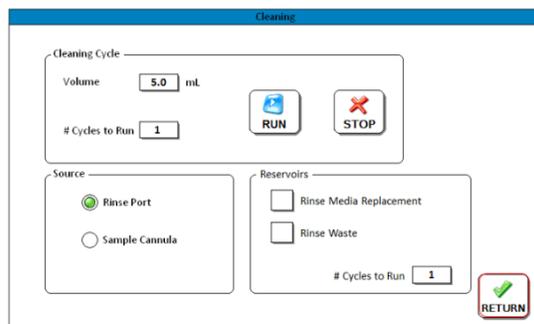
3. Power Off Unit

You'll want to turn off the power to the dissolution unit and heater/circulator and unplug them from the wall. This will protect them from any power surges.

Autosampler Preparation



Agilent 850-DS Dissolution Sampling Station



850-DS Cleaning Screen

Ensure that the autosampler is fully cleaned before shutting down. On 850-DS units, use the Cleaning tab from the Main Screen to clean the lines fully. We recommend cleaning with multiple cycles in order to remove any residue in the lines. Anything left over will dry over an extended period. On the VK 8000, also make sure to use the Clean System button instead of the Pump Forward button. You may always refer to the appropriate user manual.

For cleaning, we recommend the following sequence:

1. Remove and dispose of cannula tip filters.
2. 1-2 clean cycles of DI water
3. 2-3 cycles of 60:40 water:ethanol or methanol
4. 2-3 clean cycles of DI water
5. Pump lines dry until no additional liquid emerges.
6. Once the cleaning cycles are done, power off the unit and unplug it.

Online UV Dissolution



Cary 60 UV-visible Spectrophotometer

Follow the same procedure as with the autosampler to rinse the sample lines thoroughly. The Diagnostics function in the respective software should allow for clean cycles or continuous rinsing of the tubing. In addition, you may also want to disconnect the flow cells, rinse them individually, and purge any remaining liquid from the cells. We recommend trying a product like Hellmanex from Hellma for rinsing out flow cells and removing residue.

If you have any additional questions or concerns, please contact dissolution.hotline@agilent.com.

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www.nxtbook.com/nxtbooks/agilent/dissolution_sourcebook/index.php



Dissolution Community

<https://community.agilent.com/community/technical/dissolution>



Dissolution 1-on-1 Training

<http://dissolution.chem.agilent.com/learn/dissolution-1-on-1>



Dissolution Hotline (Email Address)

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Dissolution Discussion Group (DDG)

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