

NUCLEAR MAGNETIC RESONANCE RESEARCH RESOURCE

Resetting the Avance 300 Autosampler

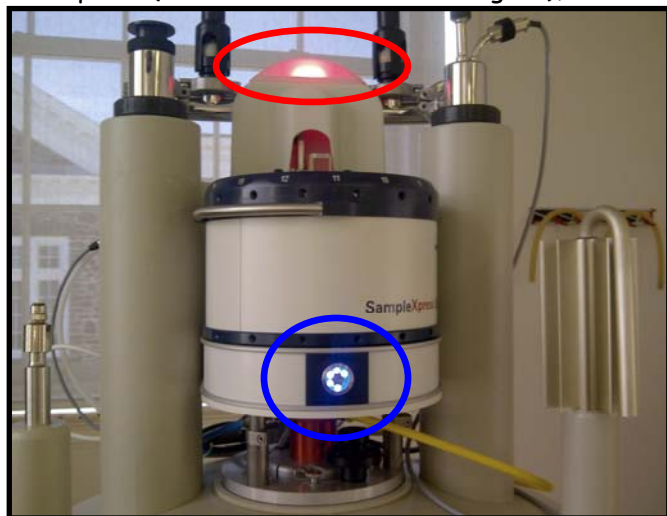
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One of the problems the NMR-3 facility has faced by leaving the autosampler installed during FACES reservations occurs when researchers remove their samples too quickly. Whenever you click on the "EJECT" button in the button panel, the indicator lamp on the autosampler will initially turn from green to white, indicating the unit is performing an automatic operation. Part of this particular operation is to ensure the sample has been returned correctly. Once this has been verified, the lamp illuminates green. If you remove your sample while the lamp is still white, this verification process is interrupted and will eventually cause a fault condition (red indicator).

Performing the Reset

If you arrive for your FACES reservation and find the indicator lamp red (see the red circle in the figure), perform the following steps:

- Power off by pressing the blue power button for 5 seconds (see blue circle in the figure for the location). When powered off, the power button light will go out as will the indicator lamp.
- Turn the power back on by pressing the power button.
- Watch the indicator lamp cycle through the following colors: (1) briefly flash red (2) yellow for ~25 seconds (system booting) (3) white for ~35 seconds (initialization) and then (4) green. Do not execute any TopSpin commands during this process.
- Once the lamp is green, the system is ready for use.



** NOTE 1 **

If the indicator lamp does not illuminate green after performing the above, repeat the procedure. However, before doing so, first exit TopSpin (File → Exit) and then once the reset is complete, re-launch the program.

** NOTE 2 **

These instructions only apply during FACES reservations. If the indicator lamp turns red during automation with ICONNMR running, that is a different problem and will require a different fix.