

NUCLEAR MAGNETIC RESONANCE RESEARCH RESOURCE

Installing & Removing Avance 300 Autosampler

Dr. Mike Lumsden
Coordinator, NMR-3
January, 2014: version 1.0

Removing the Autosampler Carousel

- Remove any NMR samples remaining in the carousel and place in the AV300 beaker in the fume hood (Room 429).
- Lift the carousel up slightly (~0.5 cm) until the green status light turns blue (circled in yellow in Figure 1). Rotate the carousel (either direction is fine) until the SampleXpress Lite label is directly over the blue power button and facing you (alignment circled in green in Figure 1).
- Using both hands, grasp the silver handles on both sides of the carousel (see Figure 1) and lift it up slightly and out towards you.
- Place the black dust cap over the bore of the magnet until you are ready to insert a sample. The dust cap is located below the carousel base of the autosampler (on top of the magnet - see Figure 1).

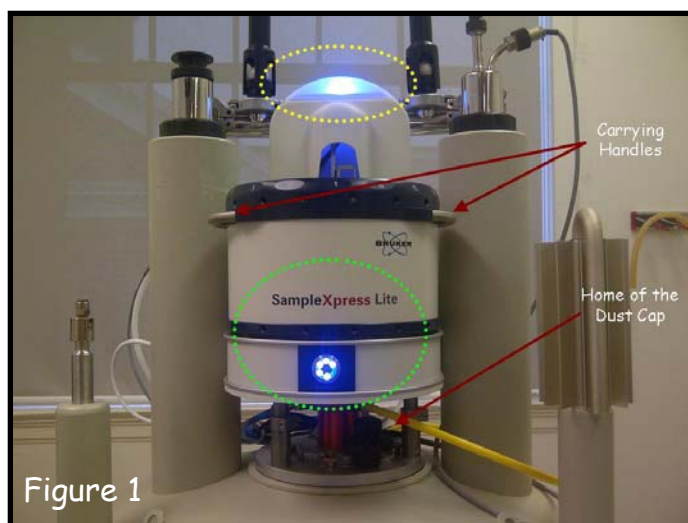


Figure 1

Installing the Autosampler Carousel

- Remove the black dust cap and place it on top of the magnet but underneath the autosampler base.
- When placing the carousel on the base, the goal is to align/mate the recessed circular area on the bottom of the carousel (circled in red in Figure 2a) with the carousel disk in the middle of the base (circled in red in Figure 2b). Perform this step using two hands, one hand holding each carousel handle. Initially, place the carousel such that the SampleXpress Lite label is directly over the blue power button as in Figure 1.
- Rotate the carousel slowly until it drops down flush onto the base (rotation direction is irrelevant). When seated properly, the indicator lamp (yellow circle in Figure 1) will initially illuminate white (instead of blue) and eventually turn green after initializing. DO NOT try and use the autosampler until the indicator lamp is green!

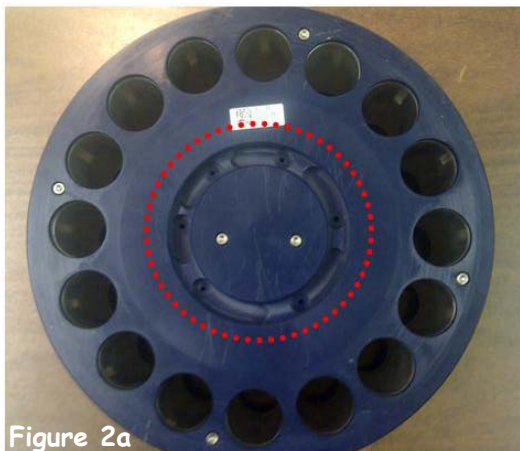


Figure 2a

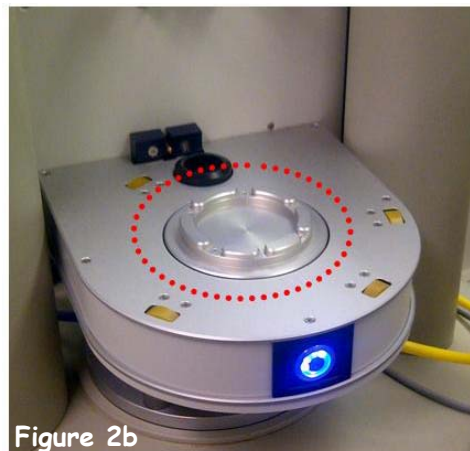


Figure 2b