The PHOENIX

Before Using a Robot sign-up using the on-line calendar (http://xray.utmb.edu/rcal).

START
Log in to the Crystaltrak account on the Crystaltrack.utmb.edu server. Enter data for all plates to be created on the PHOENIX. - ALWAYS record your use in the LOGBOOK & rcal

Turn On the Robot:
1. Turn on the laptop computer (PHOENIX.utmb.edu).
2. Login to the PHOENIX user account.
3. Run the Phoenix application from the Desktop icon.
4. Switch on the PHOENIX robot (Switch is on the rear right hand side).
5. Select Connect. Wait for all motion to stop.

Clean the Robot for use:
1. Check the guideplate for smooth motion. If necessary do a manual hand wash with Water-bath to clean. Remove all covers. (Manual Fill/Empty wash stations to rinse)
2. Check the Carboys for adequate FEED dd Water capacity. (Refill when necessary)

Setup your trays: (ALWAYS record the plate data in Crystaltrak)
1. Open the appropriate protocol: “IN - {Volume}” for Intelliplate 2-well (small 4 µl well) trays etc.
2. Check the protocol for correct plate types, well selection, and drop size.
3. Check that your sample is in the chill block, Tray#6 position A1.
4. Select GO Run Protocol. Use the SHOW TOP DECKS / SHOW BOTTOM DECKS feature to place your sample, tray, and DWB.
5. NEVER reach into the Robot once it is moving Or the Protocol is Running!
6. The BARCODE label must be put on the FRONT, A1 Short-side, of the tray.
7. Check that guide plate & 96Head are clean. (Hand wash if necessary)

Clean the Robot after use:
1. Check the 96-syringe guideplate for soiling on the underside. If necessary do a manual Water-bath clean. (Blow-dry underside with compressed air)
2. Select the “010 Thorough End of the Day Wash” Protocol to wash the robot. (Replace CC and NaOH ~ every 3 months or when contaminated)

Turn Off the Robot:
1. Return the decks to the back. Select GO Run Protocol, choose SHOW BOTTOM DECKS then CANCEL the protocol.
2. Select Disconnect.
3. Switch off the PHOENIX robot (Switch is on the rear right hand side).
4. Put the Computer to Sleep – Close the Lid (PHOENIX.utmb.edu).
5. Squirt ~1-2ml of Ethanol into Wash Stations and cover.

*** ALWAYS load the new trays in the MINSTREL Hotel for 19°C ***