START HERE

✓ Place DxC 700 AU in STANDBY
1. Wait for sample tubes queued in the DxC 700 AU DTS connection module to process and return to the main track
2. Select Stop FEEDER on the DxC 700 AU.
   The analyzer mode transitions from MEASURE 1 to MEASURE 2 to STANDBY

✓ Inspect the Analyzer Status
1. Select HOME (Analyzer Status)
2. Confirm that system components are within acceptable limits (shaded green)
3. Investigate any yellow or red conditions

✓ Monitor the Reagent Status
1. Select REAGENT > Reagent Management > Details
   Confirm the reagents meet the daily requirements set for your lab.
   For each sample type processed in your lab:
   - Review the Number of Tests column
   - Review the Onboard Remaining column
   - Review the Expiration column
2. Replace and/or add reagent bottles based on volume and expiration criteria for your lab
   - Lift and remove the reagent refrigerator covers
   - Remove required reagent bottles
   - Place new reagents bottles into available positions and secure with partitions and adapters as needed
   - Place non bar coded reagents bottles into fixed positions assigned in the Details tab
   - Replace the reagent refrigerator covers
3. Perform a reagent check
   - Select Reagent Check (F5)
   - Select Check All Positions
   - Select Start
4. View the Main and Details tabs to confirm status of onboard reagents meet the daily requirements for your lab

✓ Perform Daily Analyzer Inspections and Preparations
1. Inspect syringes for cracks, leaks, or condensation
2. Inspect wash solution roller pump tubing for cracks or leaks
3. Inspect the sample probe, reagent probes, and mix bars
   - Inspect and clean the probes and mix bars
     • Confirm that probes are not bent or damaged
     • Confirm that mix bars are not bent, scratched, or chipped
     • Wipe probes and mix bars with 70% isopropyl alcohol if contaminants or crystallization observed
   - Confirm proper operation
     • Select MAINT. > Analyzer Maintenance > Maintenance
     • Select the Analyzer Maintenance box
     • Select Prime Washing Line, confirm Times is set to 1, select OK
     • Press the green DIAG/TABLE ROTATION button to prime
       - Confirm each probe dispenses a thin straight stream of water and water flows in the wash wells
       - Confirm that the mix bars align correctly in the wash wells during rotation of mix bar components
       - Repeat as required to inspect all probes and mix bars
     • Clear the Analyzer Maintenance box
4. Replace the Deionized water or Diluent in the pre-dilution bottle labeled 61.Diluent/W2
5. Replace the sample probe wash solutions labeled 64.Det.-1 and 65. Det.-2
   - for normal volume analysis fill both bottles with 2% wash solution
   - for labs with high volume analysis fill 64.Det-1 with
     2 % wash solution and fill 65.Det-2 with 1% NaClO (20% bleach)
6. (Labs using contamination parameters) replace the cleaning solutions outside the reagent refrigerators labeled 62.CLN-1, 63.CLN-2, 49. CLN-1, and 50. CLN-2 with lab specific solutions
7. Update the Maintenance Log for all the procedures you performed
   • From Analyzer Maintenance > Maintenance
   • Select each procedure you performed (highlights in blue)
   • Select Update

✓ Change the Operator
1. From HOME > Change Operator (F2)
2. For Operator Name, enter initials, enter name or select the Select button to choose an operator from the list
3. Select OK

✓ Set a New Index
1. Select HOME > Create Index (F1)
2. Select New Index
3. Select the Group of Tests for processing
4. Select OK

Note:
Take appropriate steps at your connected automation computer to Pause sample loading to the DxC 700 AU.
Perform the ISE Startup (for labs with an ISE Module)

1. Inspect the ISE reagents, and replace reagents that will expire onboard remaining or have a volume below daily requirements
   - Select REAGENT > Reagent Management > ISE
   - To replace a reagent:
     • Select the ISE reagent to replace > select Replace ISE Reagent (F1)
     • Confirm the ISE operation LED is off
     • Scan the bar code label on the bottle with the hand scanner or type in the lot number and expiration date
     • Replace the reagent bottle and select OK
   - Select ISE Maintenance > select the ISE Maintenance box
     • If ISE Buffer Solution is replaced, select Buffer Prime > select OK
     • If ISE MID Standard or ISE Reference Solution is replaced, select MID/REF Prime > select OK
     • Press the green DIAG/DATE/ROTATION button to start the prime
     • Clear the ISE Maintenance box when the prime is complete

2. Clean the ISE
   - Select MAINT. > ISE Maintenance > Maintenance
   - Fill a Hitachi cup with 1 mL of ISE Cleaning Solution and place the cup in the CLEAN position on the STAT table
   - Select Cleaning, select OK to begin the clean
   - When cleaning is complete, remove and discard the Hitachi cup

3. Perform a Total Prime if calibrating immediately following an ISE Clean
   - Select MAINT. > ISE Maintenance > Maintenance > select the ISE Maintenance box
   - Select Total Prime, select OK
   - Press the green DIAG/DATE/ROTATION button to start the prime
   - Clear the ISE Maintenance box when the prime is complete

4. Calibrate the ISE
   - Place Hitachi cups filled with approximately 500 µL of the required ISE Serum and/or Urine Standards into the S-L, S-H, U-L, and U-H positions of the STAT table
   - Select Calibration tab from ISE Maintenance
   - Select Serum Start, Urine Start, or Serum Urine Start, select OK to begin the ISE calibration
   - When the calibration is complete, confirm the results are within the Slope and MID Factor ranges for serum and/or urine
   - Remove and discard the Hitachi cups

5. Remove the Operator Name: Select HOME > Change Operator (F2), remove name or initials, select OK

Order Calibrations and QC

1. Select STAT > STAT (Calibration)
   - In Type, select the sample type
   - Select Auto CAL/QC Order (F4). From the STAT (Calibration) dialog, select OK. The system displays the reagent blank and calibrators ordered in blue. Confirm the ordered tests are correct
     - Select Type, to verify orders of all sample types in use

2. Select the STAT (QC) button
   - In Type, select the sample type
   - Select Select All Tests (F5), select individual tests or select Panel to select a panel, and then select OK
   - Repeat for each sample type in use

5. Select Save (F2)

Prepare Reagent Blank, Calibrators and QC

Use the CAL/QC Position list to prepare the required reagent blank, calibrators and/or QC samples.
Use the list to ensure you use the correct bar coded tubes and required volume
(dead volume of the specific container is not included) for each sample. Select Close

Continue on the next page
**Load RB/CAL/QC on the STAT Table**

**Note:** The reagent blank, calibrators and QC can be loaded on the STAT table by opening the small STAT table cover or removing the large STAT table cover. If there are more than 22 calibrator and/or QC samples required in the run, load the additional calibrator and QC samples by removing and replacing the calibrators and QC using the same STAT table or by removing and replacing the entire STAT table with another prepared STAT table.

- Load the calibrators and/or control samples (maximum of 22) with the bar codes facing out into the STAT table. **Calibrators must be loaded before QC.** The reagent blank must be loaded in the RB1 position.
- Select ![Start](image) from the action button area

**Review RB/CAL/QC Results**

1. Review the reagent blank, calibration, and QC reports for flags. Take appropriate actions based on flags.
2. Verify reagent blank and calibration meet lab requirements. **MENU > Calibration > Calibration Monitor > Status**, select Reagent Blank or Calibration column for the desired test.
3. Verify QC results meet lab requirements. **QC > Main** tab (all tests are selected by default) > Chart View. Review QC test results as required.

**Note:**
Take appropriate steps at your connected automation computer to **Resume** sample loading to the DxC 700 AU.