For Training Purposes Only
This job aid is a shortened version of the procedures found in the sources below. Information in the job aid is correct as of the date published. Verify you have the most current version.

Source:
- DxC 700 AU Instructions for Use, PN B71495AB, March 2017
  Chapter 3: System Setup
- DxC 700 AU Reference Manual, PN B71496AB, March 2017
  Chapter 2: Parameters

Note: In order to complete the new test configuration, you will need the reagent instruction for use (IFU), chemistry setting sheet, DxC 700 AU contamination prevention parameters, online test data if the test will be transmitted through a laboratory information system or middleware, calibrator and quality control information.

Use beckmancoulter.com for documentation required for Beckman Coulter reagents. Select Support > Technical Documents:
- **Document Category**: select Consumable IFU/CIS/Setting Sheet for reagent IFUs and reagent setting sheets
- **Document Category**: select Instrument IFU/Manual for contamination prevention parameter
DxC 700 AU Chemistry Analyzer

WARNINGS AND PRECAUTIONS

Read all product manuals and consult with Beckman Coulter-trained personnel before attempting to operate the instrument.

Beckman Coulter, Inc. urges its customers and employees to comply with all national health and safety standards such as the use of barrier protection. This may include, but is not limited to, protective eyewear, gloves, suitable laboratory attire when operating or maintaining this or any other automated laboratory equipment.

INTENTION FOR USE

This document is not intended to replace the information in the Instructions for Use (IFU) or Reference Manual (RM). Information in the Instructions for Use and the Reference Manual supersedes information in any other manual.

REVISION STATUS

Version 1.0 (May 2017)
Based on:
- DxC 700 AU Chemistry Analyzer Software version 1.06
- DxC 700 AU Instructions for Use, PN B71495AB (March 2017)
- DxC 700 AU Reference Manual PN B71496AB (March 2017)

TRADEMARKS

DxC 700 AU Chemistry Analyzer
## New Test Configuration

### Enter Test Name Parameter Information

**CONFIG. > Test Name Parameters > Test Name**

Enter the Test Name:
- Find an available position to add the new test (open positions are 103-120). You may need to use the scroll bar. Tests are processed in the test number order (1-120) with some exceptions.
  - **CAUTION:** If you choose to use a position that had a previous test name, be aware of the following:
    - Changing a test name affects all results associated with that test number.
    - Any previously reported results (with the original test name) are assigned the new test name.
    - Use an available position (without a previously assigned test) when possible.

- **Select** **Edit (F1)**
  - Name: Enter a maximum of 6 characters.
  - Long Name: (Optional) Enter a maximum of 20 characters.
  - Reagent ID: Enter the first 3 digits of the reagent ID, or refer to the reagent setting sheet for the reagent ID 3-digit code.
  - Alarm Shots: Enter the number to generate a “Reagent Short” alarm (default = 32).
  - Multi-Reagent Switch: Select **Yes**. Selecting Yes allows the instrument to switch to a new sequence from the current set (sequence 1) of reagent bottles when either the R1 or R2 becomes empty.
- Verify the information and select **Save (F1)**

Add the test to a Group of Tests:
- **Select** the **Group of Tests** button.
- Select Group 1, 2 or 3 from the **Group** drop-down list.
- **Select** **Edit (F1)**
- **Select** **Test Setting (F5)**
- **Select** the test to add to the Group. The test name will highlight in blue. Select **Close**.
- To change the print order: Select the test, then select **Forward (F2)** or **Backward (F3)**.
- Verify the information and select **Save (F1)**

Add the test to a Panel (Optional):
- **Select** the **Panel** button.
- **Select** **Patient Sample, RB/ACAL** and **QC** tabs as needed to add the test to any required panels.
- **Select** **Edit (F1)**
- Select the sample type from the **Type** drop-down list.
- Select a panel from the **Panel Name** drop-down list.
- Select the test. The selected test highlights in blue.
- Verify the information and select **Save (F1)**

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Continued on the next page
Enter Specific Test Parameter Information

CONFIG. > Test Volume and Methods > General

Enter the general test information:
- Select Edit (F1)
- Select the test from the Test Name drop-down list
- Select the sample type from the Type drop-down list
- Select Yes from the Operation drop-down list
- Enter the specific test parameters from the reagent setting sheet. Entering the information correctly is critical to the performance of the test
- Verify the information and select Save (F1)

Enter all the necessary Ranges using the reagent instructions for use (IFU) and your laboratory protocol:
- Select the Range button
- Select the test from the Test Name drop-down list
- Select the sample type from the Type drop-down list
- Select Edit (F1)
- Select Set Decimal Places (F5). Select 0-4 for the appropriate decimal place for the results.
- Select Close
- From the Value/Flag drop-down list:
  - Select Flag to access Level to set a positive limit (P flag) or negative limit (N flag); used for drugs of abuse testing
  - Select Value to access Specific Ranges to set high (H flag) and low ranges (L flag)
    - Check 1-6 to enter a range based on sex and age
    - 7: Standard demographic: Enter generic information to be used when no demographic information is available
    - 8: Not within expected values: Enter information to be used when the patient demographic information does not meet the values entered for 1-6
- For Critical Limits (optional), enter a range to generate a critical low (pl flag) or critical high (ph flag)
- Enter units in the Unit box to be printed on reports
- Verify the information and select Save (F1)

Enter Rerun Specific Parameters

CONFIG. > Rerun Test Parameters

Note: Perform the following steps if the Auto Rerun feature is going to be used. The reagent IFU will identify if it is appropriate to dilute the sample with the onboard diluent.

Enter the auto rerun values:
- Select Edit (F1)
- Select the test from the Test Name drop-down list
- Select the sample type from the Type drop-down list
- Make a selection for one of the following:
  - Normal Rerun (same as first run): the values are from the reagent setting sheet
  - Rerun with diluent: enter user defined values to either lower Sample Volume OR select a Pre-Dilution Rate from drop-down list. Do not make changes to both
  - Rerun with concentration: enter user defined values
- Rerun Decision Limits: enter user defined values for Low and High limits
- (Optional) Reflex Limits: enter user defined values for Low and High limits
  Note: To use the reflex feature, enter the Deciding Test and Related Test selections at CONFIG.
  > Rerun Check Parameters > Reflex
- Select Save (F1) when all required rerun parameters have been entered

Continued on the next page
New Test Configuration continued from previous page

**Enter Calibrator Information**

**CONFIG. > Calibration Setup > Calibrators**

*Note: This step is only required if this is new calibrator material. If this test is using calibrator material already in use, continue with the next step “Enter Calibration Specific Information”.*

Enter calibrator information:
- Select **Edit (F1)**
- Select an available position (for the correct sample type) to enter the Calibrator Name, ID (if calibrator bar codes are in use), Lot No. and Expiration date
- Verify the information and select **Save (F1)**

**Enter Calibration Specific Information**

**CONFIG. > Calibration Setup > General**

Enter the calibration specific information:
- Select **Edit (F1)**
- Select the test from the **Test Name** drop-down list
- Select the sample type from the **Type** drop-down list
- Refer to the reagent setting sheet to select the **Calibration Type** from the drop-down list
- For all Calibration Types except MB, use the reagent setting sheet to enter:
  - Formula, Slope Check, Factor Range, Allowable Range Check, Advanced Calibration, Lot Calibration and Stability
  - Counts: enter the number of replicates to be performed (1, 2, 3 or 4)
  - Select the calibrator from the **Calibrator** drop-down list
  - For **Conc.**, enter the calibrator concentration from the calibrator package insert
- For the Calibration Type MB, use the reagent setting sheet to enter:
  - Formula, Allowable Range Check, Advanced Calibration, MB Type Factor and Stability
  - Counts: enter the number of replicates to be performed (1, 2, 3 or 4)
- Verify the information and select **Save (F1)**

Continued on the next page
New Test Configuration continued from previous page

Enter Quality Control (QC) Information

CONFIG. > QC Setup > Controls
Note: This step is only required if this is new QC material. If this test is using QC material already in use, continue with the next step “Enter QC Specific Information”.

Enter the QC information:
- Select Edit (F1)
- Select an available position (for the correct sample type) to enter the Control Name, ID (if QC bar codes are in use), Lot No., and Expiration date
- Verify the information and select Save (F1)

Enter QC Specific Information

CONFIG. > QC Setup

Enter the specific information:
- Select the Check tab and confirm the setting is correct
- Select the Preset tab
- Select the test from the Test Name drop-down list
- Select the sample type from the Type drop-down list
- Select Edit (F1)
- Select the control name from the Control drop-down list
- Select the Multi or Single from the Multi/Single drop-down list
- Use the QC package insert to enter:
  - QC mean value at Mean
  - 1 SD value at SD
  - Range value at Range (high value minus the low value)
- Verify the information and select Save (F1)

Continued on the next page
Add the Test to Print on Reports

CONFIG. > List Format
Note: Do not make any changes in Basic Condition, Print Information or Layout. Any changes will affect the format of the report.

Add the new test to all realtime reports in use:
- Select the Printed Test tab
- Select Edit (F1)
- Select the report from the List Name drop-down list
- Select the test (blue highlight indicates it is selected)
- If the test should print on another report, make a new selection from the List Name drop-down list, and then select the test. Repeat this step for every report in use
- Select Save (F1) when the test has been added to all required reports

Enter Contamination Prevention Parameters

CONFIG. > Contamination Parameters > Contamination Prevention
Note: This step is only required if the test is listed in the Contamination Prevention documentation found at beckmancoulter.com.

Enter the contamination prevention information:
- Select Edit (F1)
- Program the Preceding Test Name, Following Test Name, Reagent Probe Cleaner Kind, Wash Count, Water Cleaning Effective, Mixer and Cuvette
- Verify the information and select Save (F1)

Enter Data Check Parameters

CONFIG. > Data Check Parameters > Prozone Check
Note: Program check points and decision limits to detect abnormal reaction types for prozone effects in an increasing turbidimetric assay. This step is only required if the test has Data Check parameters provided on the reagent setting sheet.

Enter the data check information:
- Select Edit (F1)
- Select the test from the Test Name drop-down list
- Select the sample type from the Type drop-down list
- Select the Logic Check option (1-3) and enter the data check parameters for the test provided on the chemistry setting sheet. Only enter information from the chemistry setting sheet. Leave all other fields blank. If required, multiple data checks can be selected
- Verify the information and select Save (F1)

Continued on the next page
New Test Configuration continued from previous page

Enter Online Communication Information

CONFIG. > Online > Online Test No.
Note: This step is required if the instrument is communicating with a laboratory information system (LIS) or middleware for sample programming.

Enter the Online Test information:
- Select Edit (F1)
- Enter the **Online Test No.** The online test number and the LIS must coincide or the data may not be transmitted correctly
- Verify the information and select **Save (F1)**

Save Parameters

MAINT. > File Management

Save the configurations you entered to the hard drive (HD) or to a USB (External Media):
- Select **Save Files to HD** or **Save Files to External Media**
- Select **File Select (F6)**
- Select the files to be saved, select **OK**
- For saving files to HD:
  - Select **Copy to/from Disk (F2)**
  - Select **OK**
- For saving files to external media:
  - Select **Copy to/from Disk (F2)**
  - At the Copy to/from Disk dialog, select **External Memory Device**, select **OK**
  - Insert the USB into the computer and select **OK**
- Select **OK** when the Copy to Disk window appears with “File save is successful”

Verify the New Test Configuration

Verify the new test was configured properly by completing the following:
- Load the reagent and any required cleaning solution
- Perform a reagent volume check for the new test
- Verify the calibration was requisitioned for the new test
- Requisition QC for the new test if it was not added to the default QC panel
- Perform a reagent blank, calibration and QC on the new test
- Review the report and verify reagent blank, calibration and QC data is acceptable for your laboratory protocol
- Perform any additional new test verification required by your laboratory protocol