# PURPOSE:

This document provides instructions for performing 8-hour QC testing on the Beckman Coulter

AU680 Chemistry analyzer. It is geared to 2nd and 3rd shift staff who do not routinely perform instrument maintenance/calibration/QC routines.

# SCOPE:

This document applies to UPMC Hanover Laboratory.

**POLICY:**

Beckman Coulter requires that quality control materials be tested and evaluated at 8-hour intervals for certain analytes. In addition, the Core Laboratory Supervisor may increase the frequency of QC testing for other analytes to aid in troubleshooting instrument/reagent issues or the evaluate new lots of QC material.

**PROCEDURE:**

The initial “8-hr run” each day is completed as part of the 1st shift Maintenance/Calibration/QC routine. This procedure applies to 2nd and 3rd shift.

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| **Step** | **Action** |
| 1 | Select the green specimen rack labeled “8hr.” This rack is pre-loaded with barcoded tubes for the QC materials required. |
| 2 | Aliquot the required QC materials into AU680 1mL insert cups and place in the correspondingly labeled barcoded tube. |
| 3 | From the analyzer Main Menu, select **User Menu** and choose the option “**Order QC**.” The screen will display a table of all tests highlighted in blue. |
| 4 | Click on “**Start Entry**”  |
| 5 | Click on “**Deselect All Tests**” and confirm the action by clicking ‘**OK**’ on the pop-up dialog query “Deselect Requisition.” |
| 6 | Click on the Profile box and select “8 hour QC” |
| 7 | Click on “Entry” to save the QC order. |
| 8 | Load the green rack onto the analyzer and select “Run”. |
| 9 | Review QC results for acceptability prior to continuing patient testing for the affected analyte(s). |

**8-HOUR QC SCHEDULE:**

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| **“AU680 BLUE”**SN 201801351 | **~ 08:00** |
| **~16:00** |
| **~23:59** |
| “**AU680 YELLOW”**SN 2018016350 | **~05:00** |
| **~13:00** |
| **~21:00** |

**REFERENCES:**

* Instructions for Use: Creatinine [Cat No OSR6178], Beckman Coulter, BAOSR6X7813, May 2018.
* AU680 Chemistry Analyzer Instructions for Use**,** Beckman Coulter, B04779AB, June 2015.

**Document History**

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| Date of Origination and Document Control Number | July 2, 2019CHEM 6002 | Formalized procedure for platform implementation. |
| Prepared by: John R Samuel, MT(ASCP) |
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