**Procedure: Reagent Change for ADVIA 2120i and ADVIA 120**

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| **SOP Number:** | CH060 | **Effective Date** | 02/02/2015 |
| **Department & Section:** | Hematology | **Revision Date(s):** |  |
| **Author:** | K.Clark MT.(ASCP) | **Version:** | 1 |

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| Applicable Standards | | | |  | Version History | | | |
| Standard | | Organization | |  | Version | Effective Date | | Retired Date |
| HEM.30080 | | CAP | |  | 1 | 02/02/2015 | |  |
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| Related Documents | | | |  |  |  | |  |
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| Review History (Up to the Last 15 Occurrences) | | | | | | | | |
| Date | Version | | Revision Type | | | | Review By/Initials & Date | |
| 02/02/2015 | 1 | | New Policy/Procedure | | | | System Laboratory Medical Director, Joe A. Lewis, M.D., F.C.A.P. | |
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| Distribution |
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**Clinical Significance:** To ensure that new reagents (inert materials) do not interfere with the complete blood count method.

**Principle:** A background count will be performed after reagent change on ADVIA 2120i and ADVIA 120. Results will be documented that background counts are acceptable.

**Procedure:**

* After a reagent is replaced, prime the reagent four(4) times. This ensures that the new reagent is flushed through all lines.
* Go to the start-up tab.
* Hit the refresh button.
* Press the refresh button until the background counts are acceptable.
* Document on the REAG CHANGE/bckgrn OK box (√) of the precision control log sheet.
* Perform a precision control to ensure the analyzer is functioning properly.

**Results:** On the refresh screen, the background results are color coded. A green color means that the background count is within range. A red color means the background count is out of range.

**Acceptable Counts:**

* BASO WBC <= 0.10
* PLT <= 5
* HGB Trans 2.5 to 4.1

# **References**

1. Siemens HealthCare ADVIA ®2120*i* / ADVIA® 120 Operator’s Guide, V1.00.00.