

Meridian Health
 Jersey Shore University Medical Center
 Core Laboratory
 Neptune, NJ 07753

SUBJECT: QUALITY MANAGEMENT	TITLE: COMPARABILITY OF INSTRUMENT METHODS
EFFECTIVE DATE: 11/20/2015	SECTION: All Common Checklist
APPROVED:	POSITION RESPONSIBLE FOR REVIEW: Laboratory Director or Designee

PURPOSE: To provide a process for the documentation of comparability of instruments/methods when more than one instrument/method is used for a given analyte. Instruments are checked against each other at least twice a year for comparability of results.

RESPONSIBILITY: Laboratory Supervisors, Technical Staff

PROCEDURE: The following instruments are to be assessed for comparability at least twice a year:

- I. **HEMATOLOGY:** (instrument to instrument)
 - a. Sysmex 1 to Sysmex 2 OPEN mode
 - b. Sysmex 1 to Sysmex 2 CLOSED mode
- II. **HEMATOLOGY:** (mode to mode)
 - a. Sysmex 1 **open** mode to Sysmex 1 **closed** mode
 - b. Sysmex 2 **open** mode to Sysmex 2 **closed** mode
 -The procedure for comparison is in the Hematology SOP book.
- III. **COAGULATION:**
 - JTOP1 to JTOP2
 -The procedure for comparison is in the Coagulation SOP book
- IV. **CHEMISTRY:**
 - a. DxI 1 to DxI 2
 - b. DxC 1 to DxC 2
 -The procedure for the DxI's and DxC's comparison is in the Chemistry Quick tip book
 - c. ABL5 to ABL52
 -The procedure for ABL comparison is in Chemistry SOP Vol 2.
 - d. Clinitek Atlas to the Clinitek Status
 -The procedure for Clinitek comparisons is in the Urinalysis SOP book.

In an effort to involve all of the technical staff, the responsibility for performing the comparisons will be rotated between day shift and evenings/nights. Beginning with 2016 evenings/nights will be responsible for the 3 Hematology/Coagulation comparisons and the day shift will be responsible for the 3 Chemistry comparisons.

The following year they will switch responsibilities and continue to alternate yearly going forward. The Core Lab and the Eves/nights supervisors will be responsible for ensuring their shift performs the testing and that the results are within acceptable limits. Any unacceptable results will be investigated and referred to the instruments Tech Support for guidance.

