HACKETTSTOWN REGIONAL MEDICAL CENTER
LABORATORY- POINT OF CARE POLICY MANUAL

Correlation Studies between instruments
Glucose, Urine dipstick and Whole blood creatinine

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Effective Date: August 7, 2006
Cross Referenced:
Reviewed Date: 11/10**;**1/11;6/12
Revised Date: November 16, 2010

Policy No: POC 0009
Origin: Point of Care Tests
Authority: Cristina Hom, MLS (ASCP), POC Coordinator
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SCOPE; HRMC Laboratory

PURPOSE: To validate the analytic measurement range of the instruments so as to ensure that the instruments are functioning properly and to comply with CAP and JCAHO standards.

DEFINITIONS:
CAP = College of American Pathologists
JCAHO = Joint Commission on Accreditation of Healthcare Organizations
EDTA = Ethylenediaminetetra-acetic acid
CV = Co-efficient Variable

POLICY: (For glucose using Accucheck):
1. Correlation studies are done every six months between each Accucheck Inform Meter and the Dimension RXL to ensure accuracy.
2. Capillary, venous, arterial, and neonate samples are recommended for assessing accuracy of the Accucheck Inform.
3. 20 EDTA tube samples must be used.
4. Test the samples within 30 minutes of collection to minimize glycolysis.

PROCEDURES:
1. Press power ON/OFF button located below the center of the touchscreen.
2. Scan Operator ID.
3. Press ►
4. Select Proficiency (run QC first if needed).
5. Enter proficiency sample ID (any assigned number can be used) and press ENTER.
6. Perform in the same manner as regular patient specimens.
7. If results are less than 100 mg/dl, the difference should be within 15% assuming the hematocrit is normal. Greater than 100 mg/dl, the difference should be within 10%, % CV should be no more than 5%.
8. Correlation reports will be reviewed by the POC Coordinator.
9. Turn power off when finished before docking the meter into the base unit.

POLICY (For urine dipstick using Clinitek Status):
1. Correlation studies between Clinitek Status and Clinitek 500 must be done every six months.
2. Random samples that were already been done on the same day from the Clinitek 500 can be used for the correlation.
3. Run as regular patient samples and use about 20 samples.
4. Accession #'s can be used to identify the samples.

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PROCEDURES:

1. Print the results in Cerner from the samples that will be used for correlations.
2. Follow SOP and use accession #'s for patient ID.
3. Tape the printed results on top of the matched Cerner report.
4. Correlation will be reviewed by POC Coordinator.

POLICY whole blood creatinine using IRMA TRUpoint (split sample analysis):

1. Split sample analysis with another IRMA meter must be used to do a correlation every six months.
2. Specimens must be drawn randomly from the morning rounds .
3. Only dark green (lithium heparin) top tube are acceptable.
4. Samples must be run immediately.

PROCEDURE:

1. Collect 5 samples in a dark green top tube.
2. Run them individually in IRMA.
3. Record results.
4. Run same samples in the second meter.
5. Record results and they should be within 15%.

REFERENCED :

College of American Pathologists Point of Care Testing Checklist # POC.08300 and POC.08500, 01/04/2012