

TRAINING UPDATE

Lab Location: GEC, SGMC & WAH
Department: Core

Date Distributed: 8/3/2016
Due Date: 8/23/2016
Implementation: 8/23/2016

DESCRIPTION OF PROCEDURE REVISION

Name of procedure:
QC Testing Frequency AG.F132.4
Description of change(s):
<p>This form is an attachment to Quality Control Program SOP (QA40) It can be posted as a quick reference and may aid staff during rotation between sites.</p> <p>Changes include:</p> <ul style="list-style-type: none">• Removed tests we no longer perform (SSA, acetone, clinitest, sweat, manual retic, gastroccult)• Add new tests/instruments (ketone, MRSA, AVOXimeter, Verify Now, iSTAT)• Update QC frequency to match SOP changes (iPTH, PFA100, rapid kit tests)• Add note that frequencies only apply at sites performing the test / operating the specified analyzer <p>This revised FORM will be implemented on August 23, 2016</p>

Document your compliance with this training update by taking the quiz in the MTS system.

QC Testing Frequency

Note: frequencies only apply at sites performing the test / operating the specified analyzer

Test / Analyzer	QC Frequency
APT test	Run Adult and Cord Blood controls with each patient.
AVOXimeter	Optical Controls are tested with each patient run. A minimum of two levels of liquid QC material are analyzed weekly. If desiccant indicator is pink at 20, 30 or 40, then liquid QC must be run and within range prior to releasing patient results.
Beckman Coulter LH750	Refer to Addendum 4 of LH750 procedure.
Body and Synovial Fluid Analysis	QC is performed every 8 hours of patient testing for manual body fluid counting and per technologist. Automated or Manual stain methods is performed once per day. Diluting fluid is checked daily for contamination.
C. DIFF Quik Chek Complete	Internal Controls are recorded for each patient test. External positive and negative controls are run with each new kit lot number or shipment or every 30 days, whichever is more frequent.
Centaur, BNP	Analyze all 3 levels of QC material after each calibration. QC is run daily as follows: Levels 1 and 3 are run on day shift, Level 2 on evening shift, and either Level 1 or 3 on night shift.
Centaur, iPTH	Analyze all 3 levels of QC material after each calibration. SGMC: QC is run daily as follows: Levels 1 and 3 are run on day shift, Level 2 on evening shift, and either Level 1 or 3 on night shift. WAH: iPTH testing is only performed when a Parathyroid Surgery is scheduled. Prior to scheduled surgery, check calibration interval/stability, perform calibration if required (see section 5.3), and run all QC levels for iPTH to ensure instrument and method are functioning properly. When iPTH is in use, QC must be run once per shift.
Clinitek 500	QC is performed once per day.
CSF and Fluid	QC is performed every 8 hours of patient testing for manual body fluid counting and per technologist. Automated or Manual stain methods is performed once per day. Diluting fluid is checked daily for contamination.
D-Dimer	Controls are run at the beginning of each shift, every 4 hours after, and with the change of any reagent used in test performance. Controls are run after any maintenance is performed on the analyzer.
Diff Stain, Hematology	Stain quality and differential comparison must be performed each day.
Dimension Vista System	Refer to Vista charts for times.

Test / Analyzer	QC Frequency
ESR STAT PLUS	QC is run at the beginning of every shift.
ESR, Westergren Method	Both levels of control are tested for every 8-hour shift of patient testing.
Fetal Fibronectin	The Rapid fFN Control Kit (Positive and Negative) is run with each new lot or shipment or every 30 days, whichever is more frequent. The TLI _{IQ} QCette is run once every 24 hours of patient testing
Fibrinogen	Controls are run at the beginning of each shift, every 4 hours after, and with the change of any reagent used in test performance. Controls are run after any maintenance is performed on the analyzer.
Fluid pH	Controls are performed with each patient testing. Bracket patient run between controls.
Gram Stain, Microbiology	QC is performed once a day and before first patient use with each lot number and/or shipment of any reagent.
HCG Qualitative Serum & Urine	Internal procedural control is run with each patient testing. The external controls are performed once per week for both urine and serum, and with each new kit lot number or shipment.
Influenza	Internal Controls are performed and documented for each patient tested. Positive and negative External QC is run with each new kit lot number or shipment or every 31 days, whichever is more frequent.
IRIS Fluid	Both "Background Check" and QC are performed every eight hours of patient testing.
IRIS Urinalysis	QC is performed once per shift on both AX-4280 and iQ 200 modules. QC is also performed when new shipment or lot number of reagent is received.
i-STAT System, Blood Gas	The instrument is programmed to run the internal Electronic stimulator every 8 hours when there is a Patient. The external Electronic Simulator is run once a day. The liquid controls are run once a week and with each new shipment of cartridges.
i-STAT System, BNP	The external Electronic Simulator is run once a day. The liquid controls are run once a week and with arrival of a new lot number or new shipment of the same lot number.
i-STAT System, Troponin	The instrument is programmed to run the internal Electronic stimulator every 8 hours when there is a Patient. The external Electronic Simulator is run once a day. The liquid controls are run each day of patient testing and with each new lot or shipment of cartridges.
Ketone (β -Hydroxybutyrate)	QC is to be done once per shift with patient testing. If no test is ordered during a shift, QC is not required.
Kleihauer Betke	Controls are performed with each patient testing.
Malaria	Each batch of patient smears is evaluated for proper staining characteristics.
Monotest	Positive and Negative controls are to be tested with each patient run.

Test / Analyzer	QC Frequency
MRSA Screen	Quality Control should be run with each new lot/shipment of media. A positive (<i>S. aureus</i> ATCC 43300) and a negative control (<i>S. aureus</i> ATCC 25923) must be performed daily.
Multistix 10 SG	QC is performed once per day and when a new bottle of reagent is placed in use.
Occult Blood	Internal QC is performed with each test. External QC is run once per week and when a new Lot of slides is introduced.
Osmolality	QC is run upon arrival of any patient samples during a shift. If no test is received during a shift, then no QC is required to be run.
PFA-100	Self-Test is performed once per shift and any time the instrument is turned off/on. The Control Donor Group is analyzed semi-annually to ensure individuals remain within acceptable limits. Each new lot number of reagent or new shipment of the same lot of reagent must be tested with an individual from the Control Donor Group. After major repairs (instrument sent out for repair) or upon receipt of a loaner instrument, testing must be performed using an individual from the Control Donor Group.
Platelet Count, Thrombo-TIC Method	Normal Patient QC: Run once per shift per tech prior to release of patient results and with each new lot number or shipment of Thrombo-TIC reservoirs. Diluent Background Check: performed once per month and with each new lot number or shipment.
PT & APTT	Controls are run at the beginning of each shift, every 4 hours after, and with the change of any reagent used in test performance. Controls are run after any maintenance is performed on the analyzer.
Rapid HIV	The kit has an internal control which is run with each test performed. External QC is run when a new lot or shipment of test kits is received or every 30 days, whichever is more frequent. External QC is also performed if the temperature of the test kit storage falls outside 2-27° C or if the temperature of the testing area falls outside of 15-37° C.
Refractometer	QC is performed once per day.
Rotavirus	The internal QC is run and recorded for each patient test. External positive and negative QC is run with each new kit lot number or shipment or every 31 days, whichever is more frequent.
RSV	The internal QC is run and recorded for each patient test. External positive and negative QC is run with each new kit lot number or shipment or every 31 days, whichever is more frequent.
Stool WBC	A blood smear must be reviewed on a daily basis to verify that the staining is adequate for differential of the various cells.
Streptococcus Group A	Internal Controls are recorded for each patient test. External positive and negative QC is run with each new kit lot number or shipment or every 31 days, whichever is more frequent.

- Germantown Emergency Center
- Shady Grove Medical Center
- Washington Adventist Hospital

Test / Analyzer	QC Frequency
Sysmex Pochi-100	When the primary hematology analyzer is in operation, analyze all levels of QC material after every calibration, any major maintenance and once per day. When the primary hematology analyzer is NOT in operation and this analyzer is used to run patient samples, then run all levels of QC material every 4 hours.
Thrombin Time	Controls are run at the beginning of each shift, every 4 hours after, and with the change of any reagent used in test performance. Controls are run after any maintenance is performed on the analyzer.
Triage Meter, BNP	The Electronic QC Simulator (QC Device) is run once every 24 hours. The external liquid QC is run at least once a month and with every new lot and shipment. Calibration Verification controls run at least every 6 months.
UA Manual Microscopic Exam	QC is performed once per day.
Verify Now	The Electronic Quality Control (EQC) is run once per day. The Wet Control Levels (WQC) must be run once a week.