

**HACKETTSTOWN REGIONAL MEDICAL CENTER
LABORATORY POLICY MANUAL
QUALITY CONTROL LABORATORY GUIDELINES**

Effective Date: May, 2011
Cross Referenced:
Reviewed Date: 01/12
Revised Date: 7/15/13

Policy No: GENLAB 9.13
Origin: General Lab
Authority: Laboratory Director
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PRINCIPLE: A Quality Control program is designed to guide the technologist in a decision as to whether a test result is valid and may it be reported to a physician. The Quality Control process provides an assessment of the validity of a test method.

The quality Control program provides a means to define the accuracy of procedures and the overall reliability of laboratory tests. Through the calculation of the mean, standard deviation and coefficient of variation, guidelines can be established for each method to evaluate performance.

PROCEDURE: As follows.

CHEMISTRY

Analyzer/Method	Quality Control Interval
Dimension EXL with LOCI EXL 200	2 levels every 24 hours for general chemistries 2 Levels every 24 hours for Cardiacs, Immunochemistries, Tumor Markers, TDMs
MiniVidas	2 levels every 24 hours of patient testing for Procalcitonin and Lyme

HEMATOLOGY

Analyzer/Method	Control Interval
LH 500	3 levels 1 st shift (normal, abnormal I & II) 2 levels 2 nd shift (normal and abnormal I) 2 levels 3 rd shift (normal and abnormal II)
Coulter ACT 11	3 levels every 24 hours
ESR, Retic	ESR daily, Retic - once per day as needed
Fluid	One control per 8 hrs of patient testing

COAGULATION

Analyzer/Method	Control Interval
STAGO Compact	PT, PTT, D-Dimer: 1 st shift – Normal & Abn 2 nd shift – Normal & Abn 3 rd shift – Normal & Abn Fibrinogen – Normal and Abn run when testing is ordered
STAGO Satellite	Two levels of control when in use.

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URINALYSIS

Analyzer/Method	Control Interval
Clinitex	2 levels of control every 24 hours
Serum HCG & Urine HCG	Negative and Positive control every new lot. Internal controls are done with each test.
Icotest, Clinitest, Acetone, Occult Blood	2 levels every 24 hours as needed
DOA on EX1 with Loci	Negative and positive controls in Chem. refrigerator once per day.

BLOOD BANK

Analyzer/Method	Control Interval
ABO, Rh, Antibody Screen reagents	Once every 24 hours
Special Anti-sera or screening cells	Once every 24 hours as needed

MANUAL/BATCH TESTS

Analyzer/Method	Control Interval
RA, Cold Agg., Mono, CRP	To be performed with every run according to the respective S.O.P.

MICROBIOLOGY

Analyzer/Method	Control Interval
See Microbiology S.O.P. for Q.C. Guidelines	

REFERENCES

See respective methods and operators manual for manufacturer's recommended guidelines.