

**HACKETTSTOWN REGIONAL MEDICAL CENTER
LABORATORY POLICY MANUAL
SIX MONTH CORRELATION STUDIES**

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PURPOSE: Under the current CLIA regulations, any laboratories performing a moderately complex method are required to perform and document a correlation with back up instrumentation every six months.

PROCEDURE: The following instruments are used for backup and require six months correlation:

AcT2diff Parameters

WBC
RBC
Hgb
Hct
MCV
Plt

Stago Satellite Parameters

PT
PTT

EXL200 Parameters

Sodium	Albumin	Troponin
Potassium	Total Protein	Creatine Kinase
Chloride	Alkaline Phosphatase	CKMB
Glucose	Calcium	Amylase
BUN	ALT	Lipase
Creatinine	AST	
CO ₂	Total Bilirubin	

1. Pick twenty patient samples from routine run that have already been resulted on primary instrumentation.
2. Repeat these twenty patient samples on corresponding backup instrument.
3. Enter data into Confirm software, as a comparison study.
4. Submit printout to Laboratory Manager for review.
5. Keep instrument data in labeled envelope.
6. Completed correlations are located in the Correlation Study binder.

EXPECTED RESULTS

The correlation coefficient “r” should be greater than or equal to 0.9.

REFERENCE

ASCP Workshop, Complying with Regulations and Passing Inspections: Successful Strategies and Practical GamePlans, Sharon Ehimeyere, Ph.D. MT (ASCP) and Ronald H. Laessig, Ph.D.

Evaluation, Verification, and Maintenance Manual, CAP, Reprinted September 1999