Beaumont HEALTH

Beaumont Laboratory
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Effective Date: 11/01/2021
Supersedes:
Related Documents:

Auto-Dilution Verification Abbott Architect

I.   PURPOSE AND OBJECTIVE:

To evaluate, at least annually, the accuracy of each instrument's auto-dilution function by comparing auto-diluted results to manually diluted results from each instrument.

II.   PROCEDURE:

A. Obtain a specimen that is near the AMR for a test that is auto-diluted on the analyzer.
B. Run the sample 3 separate times using the standard volume.
C. Run the sample 3 separate times using the onboard dilution.
D. Manually dilute the sample using the same dilution factor as the onboard dilution.
E. Run the manually diluted sample 3 separate times.
F. Calculate the average value of the 3 replicates for the standard, onboard and manual dilutions.
G. Calculate the percent difference. (Dilution – Standard)/ Dilution x 100
H. The percent difference must be with-in 10%.
I. Results exceeding the acceptable criteria of 10% difference will be repeated. If repeat testing fails the acceptable criteria, the instrument will be serviced before continuing to test using the dilution function.

III.   REFERENCES

CAP Standard COM. 30820

Location of Master: Master electronic file stored on the Beaumont Laboratory server under
S:/AutoChem/DocCont/CSL/ARC-Architect

Master printed document stored in the Abbott Chemistry Technical Procedure Manual in Core Lab
Number of Controlled Copies posted for educational purposes: 0
Number of circulating Controlled Copies: 0
Location of circulating Controlled Copies:

Document History

Signature	*Date*	Revision #		Related Documents Reviewed/ Updated
Prepared by: Robin Carey-Ballough MT(ASCP)	11/01/2021			

Reviewed by: (Signature)	Date	Revision #	Modification	Related Documents Reviewed/ Updated
Dr. Blenc	11/3/2021			