PRINCIPLE:

I. The process of confirming that the current calibration settings remain valid for a method. Standards near the low, midpoint, and high values of the AMR (analytical measuring range) are used. Testing is performed at least every six months.

**MATERIALS:**

I. Standard that have a target value that is at or near the low, midpoint, and high values of the AMR range of the instrument for each method.

**PROCEDURE:**

I. Run at least 3 levels of standards for each method that are within range of the assay range for each analyte.

II. Run each standard in at least duplicate.

III. If using CAP/MAIN STANDARDS proficiency test kits follow the directions outline in the kit instructions.

IV. Record the data and protocol used on the Calibration Sheet and plot the data.

V. If using CAP proficiency kits submit data to cap for plotting and evaluation.

VI. Criteria for acceptance of the calibration verification resulting data should consist of the comparison of the slope, intercept, and correlation coefficient of the least squares line generated from the data. The limits of acceptability will vary with each method based on the analytical precision of the assay.

**RESULTS AND EVALUATION:**

I. If calibration verification confirms that the current calibration settings are valid, it is not necessary to perform a complete calibration or recalibration.

II. If the calibration verification does not confirm that the current calibration settings are not valid it is necessary to perform a complete calibration or recalibration.

III. Cap will publish results for each method, which includes comparison to peer groups. If outside limits of acceptability are obtained a complete calibration or recalibration is necessary.

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