

TENNESSEE BUREAU OF INVESTIGATION

Forensic Services Division

Toxicology Quality Assurance and Procedures Manual

6.9 Certified Glassware



6.9 Calibrated Glassware

Calibrated glassware (e.g. burettes and volumetric flasks) is used to ensure traceability and reliability of glassware used to make reference standard solutions.

6.9.1 All glassware used for the preparation of reference standard solutions shall be calibrated by an accredited calibration service supplier prior to use and replaced or re-calibrated every ten years. A certificate of calibration shall be obtained from the manufacturer and maintained in the Toxicology Unit.

6.9.2 All calibrated glassware shall be maintained in good operating condition and visually monitored with each use to ensure glass is clean and free from damage.

6.9.3 If calibrated glassware is determined not to be fit for use, it shall be removed from use and documented.

6.9.4 The largest uncertainty attributed to calibrated glassware is considered annually as a component in each measurement uncertainty calculation, therefore, serial numbers are not required to be recorded when preparing reference standard solutions.