



Pipet Verification Service

RESULTS:

Attached are the results of the pipets submitted for testing to Streck's Pipet Verification Service. Each vial that you returned has been tested. The results are listed below.

This data sheet should be filed as your record of calibration verification and be available for review by appropriate laboratory inspectors.

Laboratory: STRECK 7002 S. 109TH ST. OMAHA, NE 68128	Analysis Date: 08/11/2006 Pipet Operator: Pipet Serial#: 4347521 Streck Operator: DIS
Stated Volume (ul): 50.0	Delivered Volume: 49.7
Mean Volume (ul): 49.8	49.7
S.D.: 0.15	49.7
C.V.%: 0.30%	50.1
Percent Recovered: 99.61%	49.8
NOTE: STATISTICAL DATA IS BASED ON N=5	
Laboratory Director Review: _____	

EXPLANATION:

- Pipet Serial Number:** The number identifying your pipet that was recorded on the information card returned with the kit.
- Stated Volume:** The nominal delivery volume for the pipet. It is the volume the pipet should deliver at the setting indicated.
- Mean Volume Delivered:** Mean value of all results.
- Standard Deviation:** The statistical calculation describing the Standard Deviation for the test results.
- Coefficient of Variation:** A statistical calculation of the Standard Deviation of the results as a percentage of the mean.
- % Recovered:** The value in this column indicates the percent agreement between the Volume Delivered and volume the pipet should deliver at that setting.

EVALUATION OF RESULTS:

It is important to be aware of the variables that exist in this analysis. The percent recovered values that are listed not only include the error in the pipet but also the bias that operator technique might introduce. In order to assess the consistency of operator technique it is useful to look at the coefficient of variation. If this value is more than 2.0% there may be a question of whether the operator is performing the samplings with proper technique.

Federal regulations require all laboratories to periodically check any equipment, including pipets, used in performing clinical diagnostic tests. It is the responsibility of the laboratory director to establish acceptable performance limits based on technical data from the pipet manufacturer. As a guideline, Streck recommends an acceptable limit of 100% +/- 3 for the percent recovered value.

IF THE PERCENT RECOVERED IS OUTSIDE THE ACCEPTABLE PERFORMANCE LIMITS:

1. Review maintenance procedures.
2. Verify that correct operation procedures were followed.
3. If the above procedures have been followed, refer to the pipet instruction manual for recalibration recommendations.