

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF AGRICULTURE
 BUREAU OF FOOD SAFETY AND LABORATORY SERVICES
 LABORATORY DIVISION

Facility/Laboratory Name: _____

COMPARATIVE COUNT WORK SHEET FOR LESS THAN 3 ANALYSTS

DMSCC

Date:	Analyst's Name	Number of Cells Counted

Interpretation:

SPC

Date:	Analysts Name	1:100	1:1000	Calculated Count

Interpretation:

1. Records need to be conducted monthly for each analyst, for continued approval.
2. SPC raw counts need to be between 25-250 CFU/ml.
3. Comparative counts must agree $\leq 8\%$ for the same analyst and $\leq 10\%$ between two analysts.
4. Work Sheet is maintained with interpretations in order to provide accurate comparisons.

Formula: $(A-B) / A \times 100 = \% \text{ difference}$, where A is the first count (or analyst) and B is the second count (or analyst) of the same plate.

Example: Analyst A counts 104 and Analyst B counts 98. Percent difference would be:
 $(104-98) / 104 \times 100 = 6/104 \times 100 = 0.05769 \times 100 = 5.77\%$. Plates are in compliance.