

# INHIBITORY RESIDUE TEST

Analyst: \_\_\_\_\_

Date: \_\_\_\_\_

**Materials Tested:** \_\_\_\_\_

	Brand	Lot No./Date Rec.
Detergent for <b>Manual</b> Washing	_____	_____
Detergent for <b>Machine</b> Washing	_____	_____
Pre-sterilized <b>Plastic</b> Petri Dishes	_____	_____

**Plate Counts:**

**Group A:**

Washed and rinsed by the usual method

	Machine	Manual
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
Mean:	_____	_____

**Group B:**

Washed by the usual method,  
Rinsed 12 times with laboratory pure water

	Machine	Manual
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
Mean:	_____	_____

**Group C:**

Washed with detergent at the usual concentration  
Dried without rinsing

	Machine	Manual
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
MEAN:	_____	_____

**Group D:**

Pre-sterilized plastic petri dishes

	Machine	Manual
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____
5	_____	_____
6	_____	_____
MEAN:	_____	_____

**Plating Controls:**

Dilution Water Control: \_\_\_\_\_

Air Control: \_\_\_\_\_

Pipet Control: \_\_\_\_\_

SPC Agar Controls:

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_
- 5 \_\_\_\_\_
- 6 \_\_\_\_\_

Acceptance Criteria:

Air Control: < 15 cfu

Dilution Water, Pipet, & SPC Agar Controls: 0 cfu

**Ratios:**

	Group A:Group B		Group D:Group B		Group A:Group C	
	Manual	Machine	Manual	Machine	Manual	Machine
Ratio:						

**Interpretation of Results:**

Difference in averaged counts on plates in Groups A through D should be less than 15% if there are no toxic or inhibitory effects.

Differences in averaged counts of less than 15% between Groups A and B and greater than 15% between Groups A and C indicate that the cleaning detergent has inhibitory properties that are eliminated during routine washing.

**Detergent for Manual Washing:**

Based on the above data, it is concluded that:

\_\_\_\_\_ there are no toxic or inhibitory effects from the detergent

\_\_\_\_\_ the detergent has inhibitory effects that are eliminated during routine washing

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**Detergent for Machine Washing:**

Based on the above data, it is concluded that:

\_\_\_\_\_ there are no toxic or inhibitory effects from the detergent

\_\_\_\_\_ the detergent has inhibitory effects that are eliminated during routine washing

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

**Plastic Petri Dishes**

Based on the above data, it is concluded that:

\_\_\_\_\_ there are no toxic or inhibitory effects from the plastic petri dishes

\_\_\_\_\_ there are toxic or inhibitory effects from the plastic petri dishes.

Analyst: \_\_\_\_\_

Date: \_\_\_\_\_