

ATTN: Bob Applequist
Labconco Corporation
8811 Prospect Avenue
Kansas City, MO 64126

ID #: 818502

Report Date: 09/25/1998

Received : 09/01/1998

Page : 1 of 1

SAMPLE: LabSolutions Powdered Detergent

TEST : Inhibitory Residue
METHOD: Standard Methods, 18th Edition, 9020B (3) a
CLAIM :
LIMIT :
RESULT : Date Assayed: 09/15/98
See Attached Report

Celsis Laboratory Group

by: C. J. Full

Unless alternate arrangements have been made, samples will be retained for 30 days and raw data for 7 years after report date.

New Jersey Division 165 Fieldcrest Avenue • Edison, New Jersey 08837 • 732 346-5100 • Fax 732 346-5115

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25-Sep-98

SUBMITTED TO: Labconco

ASSAY NUMBER: 818502

RECEIVED: 09/01/98

TESTED MATERIAL: LabSolutions Powdered Detergent

OBJECT OF ASSAY: Test for inhibitory residue after cleaning with LabSolutions Powdered Detergent.

METHOD OF ASSAY: Standard Methods for the Examination of Water and Wastewater, 18th Edition, Section 9020B (3) ea.

INTRODUCTION: LabSolutions Powdered Detergent is used to wash laboratory equipment. As such, it is important to demonstrate that no microbicidal residue is left on bacteriological culture glassware.

PROCEDURE SUMMARY: LabSolutions Powdered Detergent was loaded in the dispenser of a Laboratory Grade Dishwasher. Three sets of petri plates were washed as follows:

1. Standard dishwash cycle
2. Standard dishwash cycle followed by 12 rinses with purifier water.
3. Dishwash cycle with out the rinse.

A set of sterile plastic petri plates were used as controls.

Each plate was inoculated with a dilute culture of *Enterobacter aerogenes*. The plates were poured with 15 ml of sterile Plate Count Agar and incubated at 35°C for 48 hours. Colony forming units

Celsis Laboratory Group



Anthony T. Grilli, M.S.
Director, Microbiology

Client: Labconco Corporation

818502

9/25/98

RESULTS: Plate counts of *E. aerogenes* on plates cleaned with LabSolution Powdered Detergent.

<u>Cleaning Cycle</u>	<u>Cfu Recovered</u>	<u>Percent Recovery</u>
Regular cycle	149	94.9%
Regular cycle + 12 rinses	132	84.1%
No rinse cycle	135	86.0%
Control Plates	157	---

CONCLUSION:

The data indicated that the sample of LabSolutions Powdered Detergent tested does not leave an inhibitory residue on microbiological glassware.

ATTN: Bob Applequist
Labconco Corporation
8811 Prospect Avenue
Kansas City, MO 64126

ID #: 817679

Report Date: 09/25/1998

Received : 08/07/1998

Page : 1 of 1

SAMPLE: LabSolutions Liquid Detergent

TEST : Inhibitory Residue
METHOD: Standard Methods, 18th Edition, 9020B (3) a
CLAIM :
LIMIT :
RESULT : Date Assayed: 09/15/1998
See Attached Report

Celsis Laboratory Group

by: 

Unless alternate arrangements have been made, samples will be retained for 30 days and raw data for 7 years after report date.

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25-Sep-98

SUBMITTED TO: Labconco

ASSAY NUMBER: 817679

RECEIVED: 08/07/98

TESTED MATERIAL: LabSolutions Liquid Detergent

OBJECT OF ASSAY: Test for inhibitory residue after cleaning with LabSolutions Liquid Detergent.

METHOD OF ASSAY: Standard Methods for the Examination of Water and Wastewater, 18th Edition, Section 9020B (3) ea.

INTRODUCTION: LabSolutions Liquid Detergent is used to wash laboratory equipment. As such, it is important to demonstrate that no microbicidal residue is left on bacteriological culture glassware.

PROCEDURE SUMMARY: LabSolutions Liquid Detergent was loaded in the dispenser of a Laboratory Grade Dishwasher. Three sets of petri plates were washed as follows:

4. Standard dishwash cycle
5. Standard dishwash cycle followed by 12 rinses with purifier water.
6. Dishwash cycle with out the rinse.

A set of sterile plastic petri plates were used as controls.

Each plate was inoculated with a dilute culture of *Enterobacter aerogenes*. The plates were poured with 15 ml of sterile Plate Count Agar and incubated at 35°C for 48 hours. Colony forming units

Celsis Laboratory Group

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Celsis Laboratory Group

Client: Labconco Corporation

817679

9/25/98

RESULTS: Plate counts of *E. aerogenes* on plates cleaned with LabSolution Liquid Detergent.

<u>Cleaning Cycle</u>	<u>Cfu Recovered</u>	<u>Percent Recovery</u>
Regular cycle	151	96.2%
Regular cycle + 12 rinses	135	86.0%
No rinse cycle	141	89.8%
Control Plates	157	---

CONCLUSION:

The data indicated that the sample of LabSolution Liquid Detergent tested does not leave an inhibitory residue on microbiological glassware.