



FOOD and ENVIRONMENTAL LABORATORY

Bellew Pty. Ltd.
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30 January, 1996

Dear Belinda

The following are results of tests performed on 9 January 1996 using Ha-Ra cleaning cloth.

Cleaning of clean surface artificially contaminated with bacteria.

Aim: To Demonstrate the ability of Ha-Ra cloth system to remove *Escherichia coli* from a stainless steel surface and that transfer to another surface does not occur

Method: A stainless steel sink surface was tested.

- 1 The surface was decontaminated with alcohol and allowed to dry. The surface was divided into 2 equal sections and each section into 2 sub-sections. Areas were designated Clean 1, Clean 2, Dirty 1, and Dirty 2
- 2 10 ml of a 1 in 100 dilution of an overnight broth culture of *Escherichia coli* NCTC 8196 was poured over one half of the surface (areas Dirty 1 and 2) and the surface swabbed with cotton wool to ensure even distribution. The surface was allowed to dry.
- 3 A 50 sq cm area of the clean area was swabbed (sample C 1)

A 50 sq cm area of the contaminated area was swabbed (sample D 1)

Section Dirty 2 was wiped with Ha-Ra cleaning cloth and then a 50 sq cm of the cleaned area was swabbed (sample D 2)

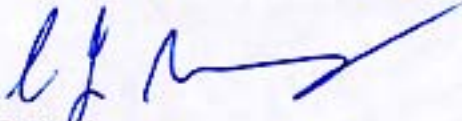
The Ha-Ra cloth was washed in cold water with soap and then the clean section (uncontaminated) area was wiped with the Ha-Ra cloth. A 50 sq cm of the cleaned area was then swabbed (sample C 2)

- 4 Counts of *E. coli* were performed on Violet Red Bile Agar incubated at 37°C.

| Results: | Sample | Count (<i>E. coli</i> per swab) |
|----------|---|----------------------------------|
| | C1 Clean surface - before testing (control) | less than 10 |
| | D1 Contaminated surface - before cleaning | 3,300 |
| | D2 Contaminated surface - after cleaning | less than 10 |
| | C2 Clean surface - after wiping with cloth | less than 10 |

Comments: This test indicated that the Ha-Ra cloth removed *E. coli* from the stainless steel surface and the following washing of the cloth, the organisms could not be demonstrated to have been transferred to another surface in detectable numbers.

Yours sincerely



Chris Murray
Principal Microbiologist

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