

HOW EFFECTIVE ARE YOUR SANITISERS?

SCJohnson's Cutan Foam Hand Sanitiser takes the test. It has been scientifically tested to Kill 99.999% of transient bacteria. What is the importance of this kill rate? Unknown to most, we live in a sea of micro-organisms. Bacteria, the most primitive of all living cells, have lasted on the planet two thousand times longer than human beings and most prevalent with humans having 10x more bacteria living on the human cells. To keep a track of these numbers for the microbiologists who study them they have used exponential number or logarithms to the base of 10.

Significant numbers of bacteria or viruses which live on our skin, are found in food and surfaces that we come in contact with our hands.

FACT: It is common to find as many as 10 million transient bacteria cells on the end of just one finger.

There are three general types of skin care products that can be used to kill or remove bacteria from the skin:

1. Wash-off 'simple' soaps – to be rinsed off with water.
2. Wash-off antibacterial soaps – to be rinsed off with water.
3. Leave-on hand sanitisers, or hand disinfectants – no rinsing-off with water required.

Hand washing with 'simple' soaps can normally be expected to remove around 90% of the number of transient bacteria. The normal mode of action for common hand washing 'soaps' is to physically remove bacteria from the hands, along with any visible contamination. This is achieved mechanically by the 'detergency' action of the soap.

General purpose antibacterial soaps work by chemical and/or physical action as well as mechanical action. The 'soap' will aid the physical removal by mechanical effect and the antibacterial active will provide the microbiological action by chemical (i.e. denaturation of proteins, DNA...) and/or physical (i.e. solubilisation of the membranes phospholipids) action. General purpose antibacterial soaps can normally be expected to remove/kill around 99% or 99.9% of bacteria.

Hand Sanitisers like Cutan Foam Hand Sanitiser is formulated to be used without water and work by physical and chemical action. They work by directly dissolving the bacterial membrane and by denaturing the constitutive proteins and enzymes, killing the bacteria cells extremely quickly, without any risk of inducing antibacterial resistance. The most effective hand sanitisers are alcohol based, with a level of around 70-80% of alcohol. Hand sanitisers usually kill up to 99.99% of bacteria, but Cutan Foam Hand Sanitisers kills 99.999%.

Source: Why 99.999% is important
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Issued September 2009 by Deb Group Ltd,
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EBOS Codes:

- 50ml: DEBCAF50 - Carton of 25
DEBCAF50EE - Each
- 400ml: DEBCAF400 - Carton of 12
DEBCAF400EE - Each
- 1 Litre: DEBCAF1L - Carton of 6
DEBCAF1LEE - Each



SCJohnson
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WHY 99.999% IS SO IMPORTANT?

SCENARIO: Take 10 million bacteria (these can sit comfortably on the end of a pin head!)

FACT: Bacteria can double every 20 minutes, given sufficient food and water.

Sanitisers or Hand wash which Kill 99% of 10 million bugs - 10,000,000
Your left with 1% bugs = 100,000 bugs (in 20 minutes this can become 200,000; 400,000; 800,000; 1,600,000)

Sanitisers which Kill 99.9% of 10,000,000 bugs
Your left with 0.1% bugs = 10,000 bugs (in 20 minutes this can become 20,000; 40,000; 80,000; 160,000)

Sanitisers which Kill 99.99% of 10,000,000 bugs
Your left with 0.01% bugs = 1,000 bugs (in 20 minutes this can become 2,000; 4,000; 8,000; 16,000)

DIFFERENCE IS 10 FOLD

Sanitisers which Kill 99.999% of 10,000,000 bugs
Your left with 0.001% bugs = 100 bugs (in 20 minutes this can become 200; 400; 800; 1,600)

So, a product that is 99.999% effective is 10 times better than a product that is only 99.99% effective

All Cutan Alcohol Foaming Sanitisers are 99.999% effective!

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FOR MORE INFORMATION VISIT www.eboshealthcare.com.au
OR CONTACT CUSTOMER SERVICE ON FREEPHONE 1800 269 534

ESSENTIAL TO HEALTH