

# The science behind our products



## Clinical benefits

### Power of Cutan® Foam Hand Sanitiser

Cutan® Foam Sanitiser formulation has efficacy against common viruses which traditionally have been difficult to kill with standard alcohol based hand rub and sanitisers. Cutan® Foam Sanitiser has been shown to have up to 99.999% efficacy against viruses tested, and effectively reduces the number of virus particles on hands.

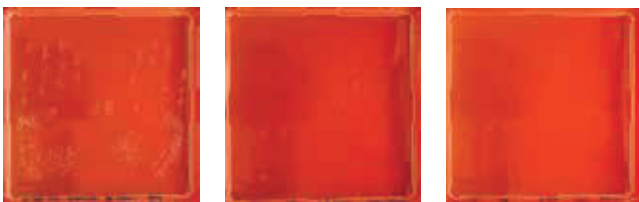
Hand Print Photographs of Bacterial Colonies



GEL: 1 DOSE

GEL: 2 DOSES

GEL: 3 DOSES



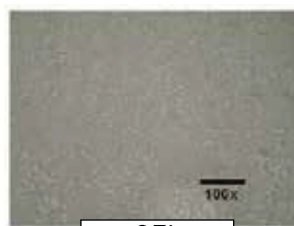
FOAM: 1 DOSE

FOAM: 2 DOSES

FOAM: 3 DOSES



FOAM

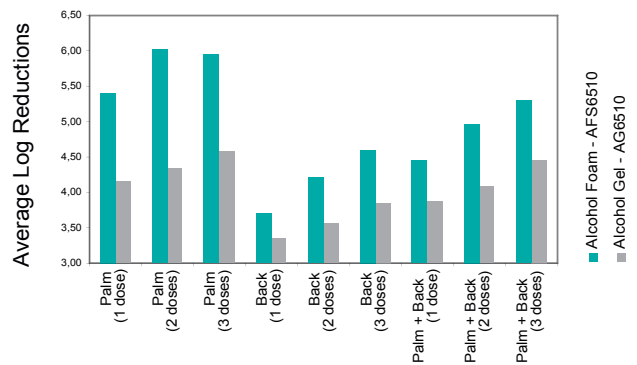


GEL

### More effective

In scientific tests by an independent laboratory, Cutan® Foam Hand Sanitiser has significantly greater bactericidal efficacy than the same product in gel form, **MORE THAN 10 TIMES BETTER** (Lens et al 2010).

Foam vs. Gel Average Log Reduction Table



### Better spreadability

Foam spreads spontaneously versus gels due to the marble like structure of the foam bubbles and wettability of the liquid.

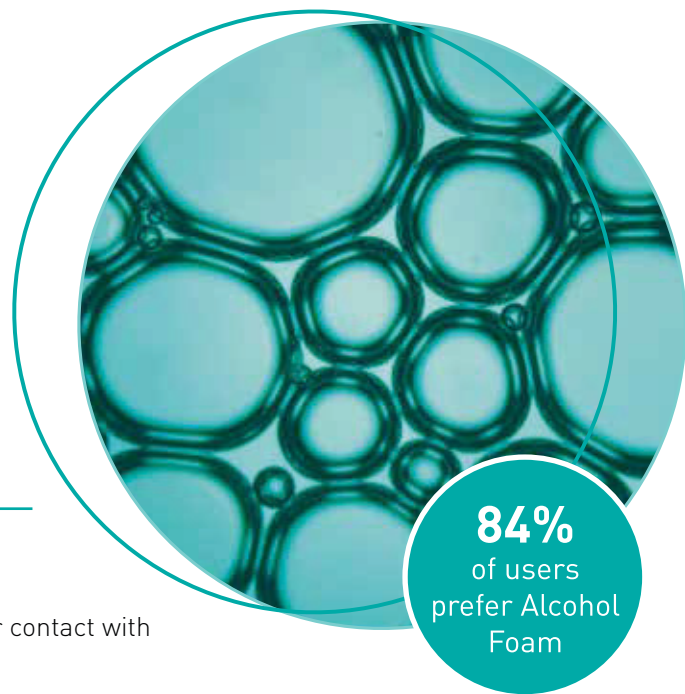
“In terms of spreadability, the measurement of the contact angle identified that even though the surface tension of the foam was very similar to gel, spreadability of foam is 4 times greater”. (Lens et al 2010)

# The power of the bubble

## Deb Foam Technology

Foam bubbles in Cutan® hand sanitiser act like marbles rolling over the hands to the fingertips, allowing them to spread 4 times more easily than traditional gels.

- Each ml of foam contains 5,000 bubbles
- Foam technology offers economy in use benefits



**84%**  
of users  
prefer Alcohol  
Foam

## The benefits of Cutan® products

- The surface tension of alcohol foam is very low, this means better contact with the skin and with micro-organisms
- Advanced formula provides outstanding skin conditioning and after feel
- Dermatologically tested and Toxicologically assessed
- Hypo-allergenic formula
- Kills 99.999% of many common germs
- Compatible with latex and nitrile gloves
- Gloves can easily be applied after application
- Foam availability leads to increased rates of hand sanitising
- Foam will not leave sticky residues on floors and walls
- Foam will not block dispensing equipment



## Cutan® Foam Hand Sanitiser has been extensively tested to/against the following rigorous international standards and methods:

- ▷ **EN1500:** In vivo test for evaluating germ reduction rate obtained with alcohol-based hand rubs.
- ▷ **EN1276:** Evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas.
- ▷ **EN1275:** Chemical disinfectants and antiseptic fungicidal activity.
- ▷ **ASTM E1052:** Standard Test Method for Efficacy of Antimicrobial Agents Against Viruses in Suspension.
- ▷ **ASTM E2315-3:** Standard Guide for Assessment of Antimicrobial Activity Using a Time-Kill Procedure.

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