



Alcofoam Efficacy Trial

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The method employed to carry out this testing was based on AOAC Official Method 960.09 (Germicidal and Detergent Sanitizing Action of Disinfectants).

The neutraliser buffer used was DE Neutralising Broth.

The organisms used were:

- *Escherichia coli*
- *Staphylococcus aureus*
- *Pseudomonas aeruginosa*
- *Salmonella* Menston
- *Candida albicans*
- *Aspergillus niger*

Numeric counts were performed after 15 second and 1 minute contact times.

The sanitiser in this trial was supplied in a ready to use format.

A numeric count of the inoculant solutions was carried out before any contact times to ascertain the theoretical level of organisms inoculated into each sample. This is shown in Table 1.

Table 1:

Organism	cfu per mL of inoculum	Theoretical cfu per mL/g of Product
<i>Escherichia coli</i>	6,600,000,000	66,000,000
<i>Staphylococcus aureus</i>	3,500,000,000	35,000,000
<i>Pseudomonas aeruginosa</i>	15,000,000,000	150,000,000
<i>Salmonella</i> Menston	12,000,000,000	120,000,000
<i>Candida albicans</i>	140,000,000	1,400,000
<i>Aspergillus niger</i>	120,000,000	1,200,000

As requested by the manufacturer, this efficacy report which was originally performed for their product reference OPL510, now applies to their product reference OP820, which is warranted by the manufacturer to be compositionally the same.

Results of the trial can be seen in the tables below.

Escherichia coli

	Contact time	Count before contact	LOG₁₀	Count after contact	LOG₁₀	LOG₁₀ decrease	% Decrease
Alcofoam	15 seconds	66,000,000	7.82	<100	<2	>5.82	>99.999
	1 minute	66,000,000	7.82	<100	<2	>5.82	>99.999

Staphylococcus aureus

	Contact time	Count before contact	LOG₁₀	Count after contact	LOG₁₀	LOG₁₀ decrease	% Decrease
Alcofoam	15 seconds	35,000,000	7.54	200	2.30	5.24	>99.999
	1 minute	35,000,000	7.54	100	2	5.54	>99.999

Pseudomonas aeruginosa

	Contact time	Count before contact	LOG₁₀	Count after contact	LOG₁₀	LOG₁₀ decrease	% Decrease
Alcofoam	15 seconds	150,000,000	8.18	<100	<2	>6.18	>99.999
	1 minute	150,000,000	8.18	<100	<2	>6.18	>99.999

Salmonella Menston

	Contact time	Count before contact	LOG₁₀	Count after contact	LOG₁₀	LOG₁₀ decrease	% Decrease
Alcofoam	15 seconds	120,000,000	8.08	<100	<2	>6.08	>99.999
	1 minute	120,000,000	8.08	<100	<2	>6.08	>99.999

Candida albicans

	Contact time	Count before contact	LOG₁₀	Count after contact	LOG₁₀	LOG₁₀ decrease	% Decrease
Alcofoam	15 seconds	1,400,000	6.15	<100	<2	>4.15	>99.99
	1 minute	1,400,000	6.15	<100	<2	>4.15	>99.99

Aspergillus niger

	Contact time	Count before contact	LOG₁₀	Count after contact	LOG₁₀	LOG₁₀ decrease	% Decrease
Alcofoam	15 seconds	1,200,000	6.08	<100	<2	>4.08	>99.99
	1 minute	1,200,000	6.08	<100	<2	>4.08	>99.99