

Data Sheet



QT BAC-T-CLEAR HAND SANITIZER

QT BAC-T-CLEAR Antibacterial Hand Sanitizer is alcohol-free, triclosan-free, and kills 99.99% of bacteria and viruses while soothing and promoting moisture retention in delicate hand tissue.

Why Alcohol-Free? Alcohol-based hand sanitizers require reapplication with each exposure to germs and can over dry the skin, trapping germs in dead skin cells. This occurs because alcohol strips away the oils in your skin that retain moisture. BAC-T-CLEAR alcohol-free sanitizer provides extended protection against germs.

Extended Protection Alcohol-based hand sanitizers offer zero protection against germs, bacteria and viruses once the product has dried on your hands. BAC-T-CLEAR Hand Sanitizer continues to reduce contamination for an extended period after application.

Non-Irritating Alcohol-based hand sanitizer require reapplication with each exposure to germs and can over dehydrate dry the skin and strip away the natural oils in your hands, skin surface that help retain moisture. This drying can lead to cracking and even dermatitis.

Safe For Children The active ingredient, BZK (Benzalkonium Chloride), is an FDA Monograph drug and has been widely used in the health care industry for more than 60 years in “leave-on” anti-bacterial skin care products. It is safe for children, making it ideal for schools, day cares and anywhere you want to kill germs! (Any environment where germs need to be eliminated.)

Effective – Kills 99.99% Of Germs BAC-T-CLEAR Antibacterial Hand Sanitizer kills 99.99% of bacteria and viruses, including *Staph.*, *MRSA*, *E.coli* and *Salmonella* without drying or irritating skin.

Treatment	Average MRSA bacterial count (cfu/ml)		
	Purell®	Germ-X®	BAC-T Clear Solution
Untreated Control (initial)		1.7 x 10 ₅	
30 second contact time	4.0 x 10 ₂	4.5 x 10 ₂	3.3 x 10 ⁰
Percent reduction	99.8%	99.7%	99.998%
180 second contact time	2.0 x 10 ₁	2.3 x 10 ₁	<10 x 10 ⁰ (none detected)
Percent reduction	99.99% ₁	99.99% ₁	> 99.999%

Treatment	Avg. # of recovered Clostridium Difficile	Percent Reduction
Untreated Control	3.3 x 10 ³	Not Applicable
Trial 1	< 1.0**	> 99.97%
Trial 2	< 1.0	> 99.97%
Trial 3	< 1.0	> 99.97%
Trial 4	< 1.0	> 99.97%
Trial 5	< 1.0	> 99.97%

Plates were incubated at 36.5°C anaerobically for 96 hours.
** No bacterial colonies were observed on any of the plates.
None detected for all 5 spray disinfected slides when 0.5ml inoculum was assayed induplicate.

The above results were based on an independent study by BCS Laboratories, Inc- Gainesville 44 NW 6th Street, Suite C, Gainesville, Florida 32609
FL DOH Laboratory #E82924, EPA# FLO1147

The efficacy of BAC-T-CLEAR. Solution, Purell® and Germ-X® hand sanitizers on the inactivation of MRSA pathogen following 30 seconds of contact time and 3 minutes (180 seconds)

Data represents an average of three trails for each test point. Colony forming units (cfu) of MRSA (ATCC BAA-44) were enumerated by spread plating onto BHI aga and overnight incubation at 37°C

Typically, alcohol-based sanitizers do not last more than 30 seconds on the skin of humans due to the effect of temperature and evaporation. Thus, the results indicated with alcohol sanitizers at the 180 second contact time would unlikely be attained.

Efficacy

*** Tested By**
ASTM-E2315,
ASTM-E2111
ATCC-9689.



Part No.	Description	Quantity	Dimension	Weight	HS Code	Shelf Life
QT8520-2NS	BAC-T-CLEAR Foamer	24 X 1.5 ounce/case	280mm (L) x 210mm (W) x 250mm (H)	1.5 kg	3808.94.9000	24 months
QT8500-5NS	BAC-T-CLEAR Foamer	12 X 5 ounce/case	250mm (L) x 200mm (W) x 180mm (H)	2.0 kg	3808.94.9000	24 months
QT8520-169NS	BAC-T-CLEAR 1 Gallon with Screw Cap (5 Litres)	4 X 5 Litres/case	410mm (L) x 260mm (W) x 300mm (H)	20.26 kg	3808.94.9000	24 months

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