



301 Conover Station SE; Conover, NC 28613

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Received Date: August 25, 2025
 Completed Date: August 27, 2025

REFERENCE: TS 190816 Sample Type: Woven Fabric
 Style: CVC fabric Sample Form: Swatch
 Color: Cream Size: N/A
 Description: CVC fabric washed 50 times in industrial hospital laundry

TEST RESULTS:

Assessment of Antibacterial Finishes

• Test Method for Antimicrobial Finishes on Textile Materials: Assessment of; AATCC TM100-2019

This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation L2238

Testing Results: Original/As Received	Results: cfu/sample		
	Zero Contact Time	30min Contact Time	Percent Reduction
• Staphylococcus aureus ATCC 6538	3.70E+05	2.10E+03	99.43%
• Klebsiella pneumoniae ATCC 4352	9.50E+04	1.40E+05	-47.37%

Untreated control not available, Eq.2 used to calculate % reduction: R= 100 (C-A)/C

Original/As Received	Results: cfu/sample		
	Zero Contact Time	3hr Contact Time	Percent Reduction
• Staphylococcus aureus ATCC 6538	3.70E+05	1.00E+03	99.73%
• Klebsiella pneumoniae ATCC 4352	9.50E+04	1.00E+03	98.95%

Untreated control not available, Eq.2 used to calculate % reduction: R= 100 (C-A)/C

Testing Results: After Customer Laundered 50X	Results: cfu/sample		
	Zero Contact Time	30min Contact Time	Percent Reduction
• Staphylococcus aureus ATCC 6538	2.90E+05	1.00E+03	99.66%
• Klebsiella pneumoniae ATCC 4352	5.00E+04	8.10E+04	-62.00%

Untreated control not available, Eq.2 used to calculate % reduction: R= 100 (C-A)/C

After Customer Laundered 50X	Results: cfu/sample		
	Zero Contact Time	3hr Contact Time	Percent Reduction
• Staphylococcus aureus ATCC 6538	2.90E+05	1.00E+03	99.66%
• Klebsiella pneumoniae ATCC 4352	5.00E+04	1.00E+03	98.00%

Untreated control not available, Eq.2 used to calculate % reduction: R= 100 (C-A)/C



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Testing Information:

- Positive results indicate a reduction in bacteria, while negative results indicate a growth of bacteria from initial contact time
- Overnight shake cultures: 18-24 hrs.
- Growth media: Tryptic Soy Broth
- Sample size: 3.8x3.8 ± 0.1cm; 1.0±0.1g; 3 layers; No Sterilization
- Neutralizing Solution: 100mL Lethen Broth w. Tween
- Target inoc. Level: 1.0-3.0 x 10⁵ CFU/mL; Inoculum size: 1.0mL ± 0.1mL
- Suspension Medium: 5% (1:20) Nutrient broth w. 0.05% Triton X-100
- Contact time (modified): 30min. & 3hrs. Temperature: 37 ± 2°C
- Samples tested as submitted using a fully automated enumeration system; Tempo, BioMerieux.

Jodi B. Geis

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Antimicrobial Testing

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