

AntiBak Residual • Test Results

Residuality testing

| | |
|---|--|
| Proven residuality against bacteria for up to 28 days | Tested against <i>E.coli</i> and <i>Listeria monocytogenes</i> and proven to remain effective 28 days after application. <i>Scientific Services, Lincolnshire</i> |
| Proven residuality against bacteria and fungi for up to 7 days | Tested against MRSA, <i>E.coli</i> , <i>Salmonella enteritidis</i> , <i>Candida albicans</i> , <i>Klebsiella pneumoniae</i> and <i>Listeria monocytogenes</i> and proven to remain effective after 24 hours, 48 hours and 7 days. <i>Rowett Institute, Aberdeen</i> |
| Proven residuality against <i>E.coli</i> for up to 7 days | Used with a steam cleaner, proven to remain highly effective against <i>E.coli</i> after 24 hours, 48 hours and 7 days after application. <i>Scientific Services, Lincolnshire</i> |

EN 1276: Bacteria

A quantitative suspension test designed to evaluate bactericidal activity.
Pass: ≥ 5 log reduction in 5 minutes under clean conditions.

| Pathogen | Pass | Dilution | Log. reduction | Test time |
|---|------|----------|----------------|-----------|
| <i>Campylobacter jejuni</i> | ✓ | 4% | > 5.99* | 1 min. |
| <i>Enterococcus hirae</i> | ✓ | 4% | > 5.25* | 5 min. |
| <i>Escherichia coli</i> | ✓ | 4% | > 7.00* | 5 min. |
| <i>Klebsiella pneumoniae</i> | ✓ | 4% | > 6.23* | 1 min. |
| <i>Pseudomonas aeruginosa</i> | ✓ | 20% | > 5.27* | 5 min. |
| <i>Salmonella enteritidis</i> | ✓ | 4% | > 6.20* | 1 min. |
| <i>Salmonella typhimurium</i> | ✓ | 4% | > 6.23* | 5 min. |
| <i>Staphylococcus aureus</i> | ✓ | 4% | > 5.27* | 5 min. |
| Vancomycin-resistant <i>Enterococcus faecalis</i> (VRE) | ✓ | 20% | > 6.00* | 1 min. |

EN 13727: Bacteria

A quantitative suspension test designed to evaluate bactericidal activity in the medical area.
Pass: ≥ 5 log reduction in 10 minutes under clean conditions.

| Pathogen | Pass | Dilution | Log. reduction | Test time |
|-------------------------------|------|----------|----------------|-----------|
| <i>Legionella pneumophila</i> | ✓ | 10% | > 5.43* | 10 min. |

Independent testing: Bacteria

A quantitative suspension test designed to evaluate bactericidal activity, carried out by the Commercial Microbiology, Aberdeen.

| Pathogen | Pass | Dilution | Inactivation (%) | Test time |
|-------------------------------|------|----------|------------------|-----------|
| <i>Listeria monocytogenes</i> | ✓ | 50% | > 6.90 | 5 min. |

Independent testing: Bacteria

A quantitative suspension test evaluating the Minimum Inhibitory Concentration (MIC) of AntiBak Residual against two strains of *Serratia marcescens*, carried out by the Dept of Microbiology & Biochemistry, University of the Free State, Bloemfontein, RSA.
Pass: no bacterial growth detected.

| Pathogen | Pass | Dilution | Result | Test time |
|--|------|----------|-----------|-----------|
| <i>Serratia marcescens</i> (ATCC strain) | ✓ | 0.2% | No growth | 20 min. |
| <i>Serratia marcescens</i> (highly resistant strain) | ✓ | 6.3% | No growth | 20 min. |

EN 14476: Viruses

A quantitative suspension test designed to evaluate virucidal activity.
Pass: ≥ 4 log reduction in 5 minutes under clean conditions.

| Pathogen | Pass | Dilution | Log. reduction | Test time |
|-----------------------------|------|----------|----------------|-----------|
| Bovine Coronavirus | ✓ | 20% | ≥ 4.40 | 30 sec. |
| Swine Flu H1N1 [†] | | 25% | ≥ 3.25 | 5 min. |

EN 1650: Fungi

A quantitative suspension test designed to evaluate fungicidal activity.
Pass: ≥ 4 log reduction in 15 minutes at 20°C under dirty conditions.

| Pathogen | Pass | Dilution | Log. reduction | Test time |
|--------------------------|------|----------|----------------|-----------|
| <i>Aspergillus niger</i> | ✓ | 20% | > 5.00 | 15 min. |
| <i>Candida albicans</i> | ✓ | 20% | > 5.00 | 15 min. |

* Minimum log. reduction - limited by culture † Screen testing

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