

## Scientific Services

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### Testing data for Reynard Alcohol Based Antibacterial Hand Spray and Gels

Source: Unsworth Consulting Laboratories  
Item: Alcohol based antibacterial hand gel/spray  
– used in RHS 403L, RHS 423, RHS 405, RHS 405T, RHS 406

Method 1: BS EN 1040:1997  
Concentration: 80%  
Temperature: 20°C  
Contact Time: 1 minute  
Interfering substance: None  
Recovery: Dilution neutralisation  
Incubation media: Bacteria – Tryptone Soya Agar

#### Results Table:

| Organism   | Control/ml | NRH-526 Formulation | Log Reduction |
|--|------------|---------------------|---------------|
| Methicillin resistant staphylococcus aureus NCTC 12493 | 9.9x10 E6  | <10                 | >6.00         |
| Escherichia coli ATCC 10536                            | 1.2x10 E7  | <10                 | >6.08         |
| Pseudomonas aeruginosa NCIMB 10421                     | 1.8x10 E7  | <10                 | >6.26         |
| Salmonella typhimurium NCTC 5710                       | 2.1x10 E7  | <10                 | >6.32         |

Method 2: BSprEN 12054:1995  
Concentration: Neat  
Temperature: 20°C  
Contact Time: 1 minute  
Interfering substance: None  
Recovery: Dilution neutralisation  
Incubation media: Bacteria – Tryptone Soya Agar

#### Results Table:

| Organism   | Control/ml | NRH-526 Formulation | Log Reduction |
|--|------------|---------------------|---------------|
| Methicillin resistant staphylococcus aureus NCTC 12493 | 9.1x10 E6  | <10                 | >5.96         |
| Escherichia coli ATCC 10536                            | 9.8x10 E6  | <10                 | >5.99         |
| Enterococcus hirae ATCC 10541                          | 9.9x10 E6  | <10                 | >6.00         |
| Pseudomonas aeruginosa ATCC 15442                      | 1.2x 10 E7 | <10                 | >6.08         |