

Testing was performed in accordance with European Standard EN 14885:2022 and the latest regulatory efficacy requirements for disinfectants used in the medical area.

| ORGANISM                        | TEST METHOD | TEST TYPE  | CONDITIONS |
|---------------------------------|-------------|------------|------------|
| <b>SPORICIDAL</b>               |             |            |            |
| <i>Bacillus subtilis</i>        | EN 17126    | Suspension | Clean 1    |
| <i>Bacillus cereus</i>          |             |            |            |
| <i>Clostridioides difficile</i> |             |            |            |

|                                        |          |            |                   |
|----------------------------------------|----------|------------|-------------------|
| <b>MYCOBACTERICIDAL/TUBERCULOCIDAL</b> |          |            |                   |
| <i>Mycobacterium terrae</i>            | EN 14348 | Suspension | Clean 1 & Dirty 1 |
| <i>Mycobacterium avium</i>             |          |            |                   |

|                   |          |            |                   |
|-------------------|----------|------------|-------------------|
| <b>VIRUCIDAL</b>  |          |            |                   |
| Poliovirus Type 1 | EN 14476 | Suspension | Clean 1 & Dirty 1 |
| Adenovirus Type 5 |          |            |                   |
| Murine Norovirus  |          |            |                   |

|                                 |          |                                |                   |
|---------------------------------|----------|--------------------------------|-------------------|
| <b>FUNGICIDAL/YEASTICIDAL</b>   |          |                                |                   |
| <i>Candida albicans</i>         | EN 16615 | Surface with mechanical action | Clean 1 & Dirty 1 |
| <i>Aspergillus brasiliensis</i> | EN 13624 | Suspension                     | Clean 1 & Dirty 1 |
| <i>Candida albicans</i>         |          |                                |                   |

|                               |          |                                |                   |
|-------------------------------|----------|--------------------------------|-------------------|
| <b>BACTERICIDAL</b>           |          |                                |                   |
| <i>Staphylococcus aureus</i>  | EN 16615 | Surface with mechanical action | Clean 1 & Dirty 1 |
| <i>Enterococcus hirae</i>     |          |                                |                   |
| <i>Pseudomonas aeruginosa</i> |          |                                |                   |
| <i>Staphylococcus aureus</i>  | EN 13727 | Suspension                     | Clean 1 & Dirty 1 |
| <i>Enterococcus hirae</i>     |          |                                |                   |
| <i>Pseudomonas aeruginosa</i> |          |                                |                   |

## Additional testing

| ORGANISM                      | TEST METHOD          | TEST TYPE                      | CONDITIONS     |
|-------------------------------|----------------------|--------------------------------|----------------|
| <b>SPORES</b>                 |                      |                                |                |
| <i>Clostridium sporogenes</i> | EN 14561/AOAC 966.04 | Carrier                        | Dirty 2        |
| <i>Bacillus subtilis</i>      | Bespoke Test         | Surface with mechanical action | Not Applicable |
|                               |                      |                                | Dirty 3        |
| <i>Bacillus cereus</i>        | EN 16615             | Surface with mechanical action | Clean 1        |

|                                   |                                             |                                |                   |
|-----------------------------------|---------------------------------------------|--------------------------------|-------------------|
| <b>MYCOBACTERIA</b>               |                                             |                                |                   |
| <i>Mycobacterium avium</i>        | EN 16615                                    | Surface with mechanical action | Dirty 1           |
| <i>Mycobacterium terrae</i>       |                                             |                                |                   |
| <i>Mycobacterium terrae</i>       | Bespoke Test                                | Surface with mechanical action | Dirty 3           |
| <i>Mycobacterium avium</i>        |                                             |                                |                   |
| <i>Mycobacterium tuberculosis</i> |                                             |                                |                   |
| <i>Mycobacterium terrae</i>       | EN 14563                                    | Carrier                        | Clean 1 & Dirty 2 |
| <i>Mycobacterium avium</i>        |                                             |                                |                   |
| <i>Mycobacterium terrae</i>       | DGHM                                        | Carrier                        | Clean 1           |
| <i>Mycobacterium avium</i>        |                                             |                                |                   |
| <i>Mycobacterium terrae</i>       | Griffiths et al.<br>(J. of Hosp. Inf. 1998) | Suspension                     | Not Applicable    |

|                                    |                                                        |                                |                   |
|------------------------------------|--------------------------------------------------------|--------------------------------|-------------------|
| <b>VIRUSES</b>                     |                                                        |                                |                   |
| Bovine Coronavirus                 | EN 16615                                               | Surface with mechanical action | Dirty 1           |
| Murine Norovirus                   |                                                        |                                | Clean 1 & Dirty 1 |
| Human Papillomavirus (HPV) Type 16 | Meyers et al<br>(J Med Virol. 2020;<br>92: 1298–1302.) | Simulated-use Test             | Dirty 2           |
| Human Papillomavirus (HPV) Type 18 |                                                        |                                |                   |



Additional testing

| ORGANISM                                                          | TEST METHOD     | TEST TYPE                         | CONDITIONS        |
|-------------------------------------------------------------------|-----------------|-----------------------------------|-------------------|
| VIRUSES (continued)                                               |                 |                                   |                   |
| Poliovirus Type 1                                                 | ASTM E-1053     | Surface without mechanical action | Dirty 2           |
| Herpes Simplex Virus (HSV) Type 1                                 |                 |                                   |                   |
| Hepatitis B Virus (HBV)                                           | Bespoke Testing | Suspension                        | Not Applicable    |
| Hepatitis C Virus (HCV)                                           |                 |                                   |                   |
| Human Immunodeficiency Virus (HIV)                                |                 |                                   |                   |
| Poliovirus Type 1                                                 | DVV/RKI         | Suspension                        | Clean 2 & Dirty 4 |
| Adenovirus Type 5                                                 |                 |                                   |                   |
| Murine Norovirus                                                  |                 |                                   |                   |
| Human Papillomavirus (HPV)<br>(Using Polyomavirus SV40 surrogate) |                 |                                   |                   |
| Vaccinia Virus                                                    |                 |                                   |                   |

|                                   |             |                                |                   |
|-----------------------------------|-------------|--------------------------------|-------------------|
| FUNGI/YEAST                       |             |                                |                   |
| <i>Aspergillus brasiliensis</i>   | EN 16615    | Surface with mechanical action | Clean 1           |
| <i>Candida albicans</i>           | EN 14562    | Carrier                        | Clean 1 & Dirty 1 |
| <i>Candida auris</i>              |             |                                | Dirty 2           |
| <i>Trichophyton interdigitale</i> | AOAC 955.17 | Carrier                        | Dirty 2           |
| <i>Candida albicans</i>           | DGHM        | Carrier                        | Clean 1           |

## Additional testing

| ORGANISM                                                           | TEST METHOD | TEST TYPE            | CONDITIONS        |
|--------------------------------------------------------------------|-------------|----------------------|-------------------|
| <b>BACTERIA</b> (continued)                                        |             |                      |                   |
| <i>Staphylococcus aureus</i>                                       | EN 14561    | Carrier              | Clean 1 & Dirty 1 |
| <i>Enterococcus hirae</i>                                          |             |                      |                   |
| <i>Pseudomonas aeruginosa</i>                                      |             |                      |                   |
| <i>Escherichia coli</i>                                            |             |                      |                   |
| <i>Enterobacter cloacae</i>                                        |             |                      | Clean 1           |
| <i>Klebsiella pneumoniae</i>                                       |             |                      |                   |
| Vancomycin-resistant Enterococci (VRE) <i>Enterococcus faecium</i> |             |                      |                   |
| <i>Staphylococcus aureus</i>                                       | VAH 2015    | Carrier & Suspension | Clean 1           |
| <i>Enterococcus hirae</i>                                          |             |                      |                   |
| <i>Pseudomonas aeruginosa</i>                                      |             |                      |                   |
| <i>Escherichia coli</i>                                            | EN 13727    | Suspension           | Clean 1           |
| Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA)          |             |                      |                   |

### Conditions Key:

**Clean 1:** 0.3 g/l Bovine albumin

**Clean 2:** Aqua bidest

**Dirty 1:** 3g/l Bovine albumin + 3ml/l Blood erythrocytes

**Dirty 2:** 5% Blood Serum

**Dirty 3:** 3g/l Bovine albumin

**Dirty 4:** 10% Blood Serum