

STERILNOVA PLUS

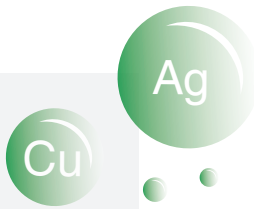
Disinfectant for all surfaces of medical device

A combination of the strength of dry vapor with a patented formulation based on silver and colloidal copper

Formats



Pack with 2 bottles of 500 ml



48-HOURS PROTECTIVE BARRIER

CLASS I MEDICAL DEVICE

HOW TO USE

Spray the product abundantly and diffusely on surfaces and objects to be disinfected, by the means of the proper steam system, using 40 ml / m² of product. Leave to act according to the times indicated (at least 30 seconds - 1 minute). If necessary, dry. Do not rinse with water to obtain the desired effect on the surfaces.

WHAT ARE THE BENEFITS?



* COPPER TESTED COVID-19



DISINFECTED SURFACES



FAST ACTION TIMES



ELIMINATIONS OF VIRUSES
AND BACTERIA

Data on the effectiveness of the Sterilnova Plus disinfectant

The disinfectant activity has been tested from 180 minutes and up to 3 days after dispensing the product on pathogenic bacteria and fungi, some resistant. The results of the tests allow to confirm a disinfectant activity for at least 48 hours from the dispensing of the product.

| ACTIVITY | MICROORGANISMS | LEGISLATION | % TO USE | CONTACT TIME (MIN) (DAYS) |
|---|---|-------------|-------------------------------------|--------------------------------|
| FUNGICIDE AND YEASTICIDE | <i>Candida Albicans N.30</i> | EN 1275 | 5 p.p.m. copper, 5 p.p.m. silver | 180 min. – 3 days |
| BACTERICIDE | <i>Pseudomonas Aeruginosa</i> (ATCC 15442) <i>Staphylococcus Aureus</i> (ATCC 6538) <i>Staphylococcus.aureus</i> No 392 (MRSA), <i>Enterococcus faecalis</i> No 216 (VRE), <i>Pseudomonas aeruginosa</i> No 0924, <i>Klebsiella pneumoniae</i> No 179 (BLRS), <i>Escherichia coli</i> No 187, | EN 1040 | 5 p.p.m. copper, 5 p.p.m. silver | 180 min. – 3 days |
| VIRUCIDAL* Tests performed on copper contained in Sterilnova Plus | <i>Rhinovirus 2</i> (2), <i>Yellow fever virus</i> (2), <i>Influenza A virus</i> (2), <i>Measles virus</i> (2), <i>Respiratory syncytial</i> (2), <i>virus Parainfluenza virus 3</i> (2), <i>Punta Toro virus</i> (2), <i>Pichinde virus HIV-1</i> (2), <i>Adenovirus type 1, Cytomegalovirus</i> (2), <i>Vaccinia virus</i> (2), <i>Phi X 174</i> (2), <i>Phage T7</i> (2), <i>Virus dell' herpes simplex</i> (2), <i>Pseudomonas phage phi6</i> (2), <i>Poliomavirus JC</i> (2), <i>Covid-19</i> (1) | - | As per bibliography | Active until copper is removed |

(1) Declaration of anti-SARS-CoV-2 virucidal activity of Copper and Copper Alloys (Università di Pisa)

(2) Neutralizing Viruses in Suspensions by Copper Oxide-Based Filters

Residual SARS-CoV-2 infectious dose following contact with KME Copper and Copper Alloys

| | | Contact time (minutes) | | | | |
|---------------------|---|------------------------|---------|---------|--------|--------|
| | | 0 | 5 | 10 | 30 | 60 |
| Copper | TCID ₅₀ | 154.8817 | 66.0693 | 14.4544 | 3.1623 | 0.0003 |
| | % reduction TCID ₅₀ ^a | | 57.34 | 90.67 | 97.96 | 100.00 |
| | Log TCID ₅₀ | 2.19 | 1.82 | 1.16 | 0.50 | -3.50 |
| | % reduction Log TCID ₅₀ ^a | | 16.89 | 47.03 | 77.17 | 259.82 |
| Copper Alloy | TCID ₅₀ | 154.8817 | 87.0964 | 23.9883 | 6.6069 | 0.1585 |
| | % reduction TCID ₅₀ ^a | | 43.77 | 84.51 | 95.73 | 99.90 |
| | Log TCID ₅₀ | 2.19 | 1.94 | 1.38 | 0.82 | -0.80 |
| | % reduction Log TCID ₅₀ ^a | | 11.42 | 36.99 | 62.56 | 136.53 |

^a % reduction compared to viral stock

Conclusions

KME Copper and Copper Alloy possess strong antiviral activity against SRAS-CoV-2, COVID-19 etiological agent. To appreciate the virucidal activity in full, testing with higher viral doses is advisable to evaluate whether reduction of infectivity goes beyond the two-three logs found herein.