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|------------------------------|------------------|
| CLIENT | RP Medics GmbH |
| TO | Oscar Rodriguez |
| SAMPLING RECORD NO. | 3083 |
| DATE OF RECEIPT | 29-12-2020 10:00 |
| ANALYSIS START DATE AND TIME | 05-01-2021 10:00 |
| REPORT ISSUE DATE | 14-01-2021 |

EVALUATION OF ANTIBACTERIAL EFFECTIVENESS

| Sample | OralLight Stick | | |
|--|-----------------------------------|-------------------------------|-----------------|
| Micro-organism Inoculated | Initial Concentration | "Preventive" Procedure | |
| | | Concentration after procedure | % Effectiveness |
| <i>Escherichia coli</i> ATCC 8739 | 1,3 x 10 ⁶ ufc/mL | 4,2 x 10 ² ufc/mL | 99,96769% |
| <i>Staphylococcus aureus</i> ATCC 25923 | 1,0 x 10 ⁶ ufc/mL | 2,0 x 10 ³ ufc/mL | 99,80000% |
| <i>Candida albicans</i> ATCC 10231 | 5,1 x 10 ⁴ colonias/mL | 45 colonias/ml | 99,91176% |

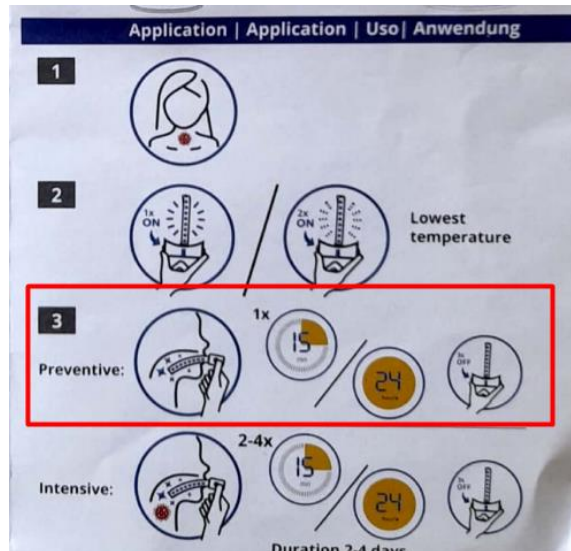


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Procedure:

The strains are exposed to the equipment with their individual plastic covers for 15 minutes. Subsequently, these strains are kept at 35.0 ° C for 24 hours. After resting, the strains are exposed to the equipment again for 15 minutes, according to the "Preventive" procedure described by the client.



Observations:

% Effectiveness= $[(Ni-Np) / Ni] \times 100$ = percentage reduction of microorganisms

Ni= Initial concentration count

Np= Count obtained in product

Results covered by Microlab SpA accredited Management System NCh-ISO/IEC 17025 LE 1392 and LE 1469 certificates

Strains Used for Test

Escherichia coli ATCC 8739

Staphylococcus aureus ATCC 25923

Candida albicans ATCC 10231

100µl of strain is inoculated

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Technical References of Analysis

Method based on EN 17272:2020 - Chemical disinfectants and antiseptics. Methods of airborne room disinfection by automated process. Determination of bactericidal activities

Sincerely,



Montserrat Ruiz Fernández
Microbiologist
Technical Director



Ricardo Ruiz
Biotechnology Engineer
Quality manager



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Results valid only for sample analyzed.

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