

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	OraLight Stick		
	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%

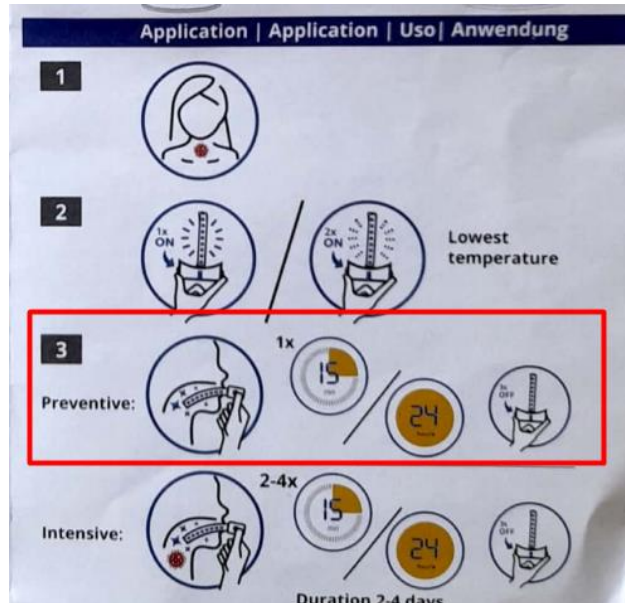


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Procedure:

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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