

**ANTIMICROBIAL ASSAY- REPORT**

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Doc No	Protocol No	Date	Sample
MB/HN/031120/01	SOP/MB/HN02-R1	03-11-2020	<b>HERBA NURIEL</b>

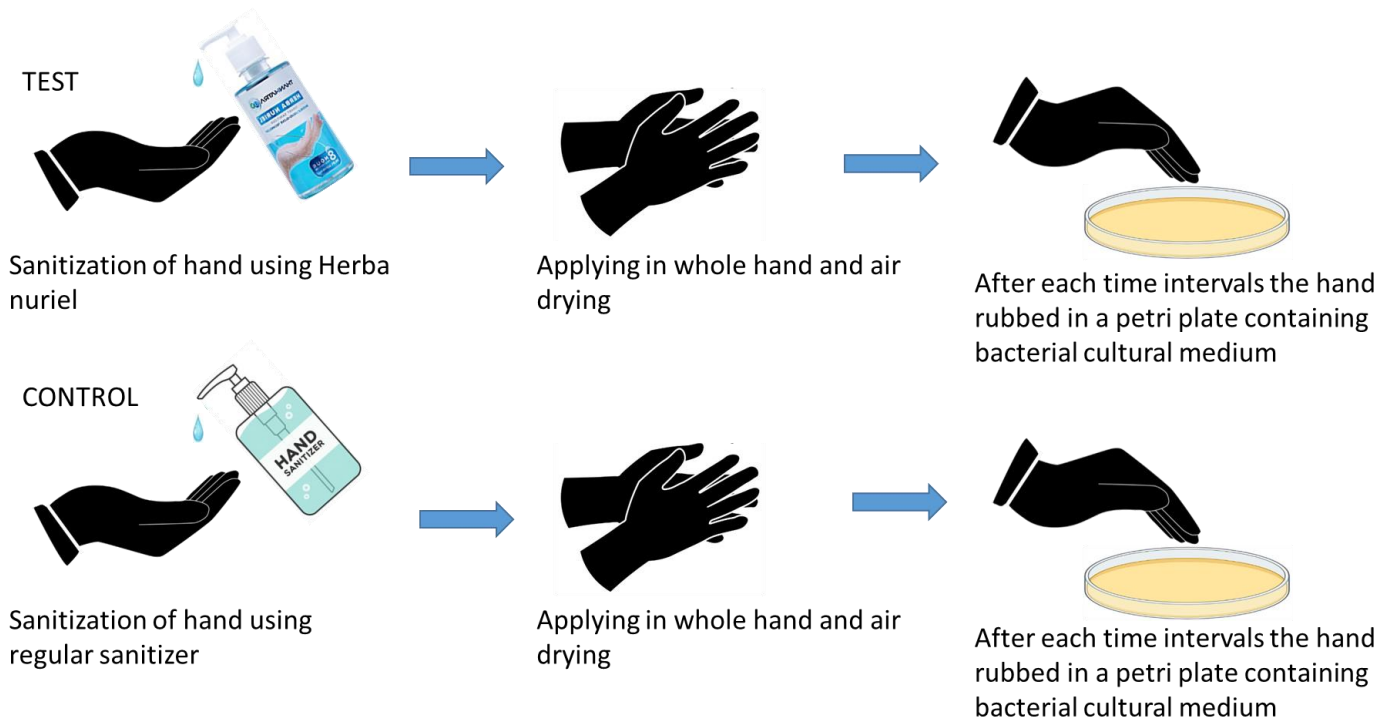
**Aim**

To check the long-lasting bactericidal activity (8 hour) of Herba Nuriel Smart Sanitizer after applying in hands

**Experimental procedure**

Method	Spread plate
Culture medium used	Luria-Bertani agar medium

**Steps involved in determining anti-microbial property**



**1) Pre-values**

- Before applying TEST and CONTROL samples, each of the 2 subjects was asked to rub their fingertips, including the thumbs on the base of a Petri dish (a separate dish for each hand) containing LB agar.
- The plate were incubated for 24 hour at 37°C.

**2) Hygienic hand-rub procedure for TEST (Herba Nuriel) and CONTROL (70 % IPA based sanitizer) sample**

- Both the TEST and Control (2.5 mL) was asked to pour on the hands. Spread and rub uniformly for 30s, up to the wrists as per the standard hand-rub procedure.

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- The standard hand –rub procedure consists of five strokes backwards and forwards palm to palm, right palm over left dorsum and left palm over right dorsum, palm to palm with fingers interlaced, back of fingers to opposing palms with fingers interlocked, rotational rubbing of right thumb clasped in left palm and left thumb clasped in right palm, rotational rubbing with clasped fingers of right hand in palm of left hand and clasped fingers of left hand in right palm.

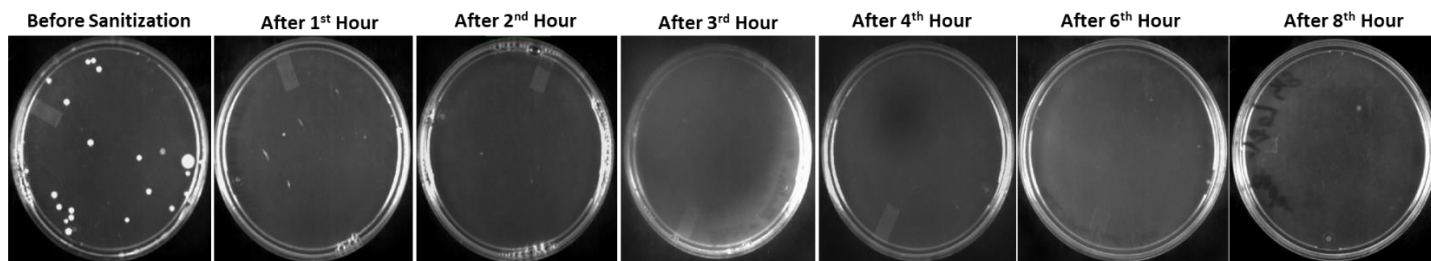
**3) Post-values**

- Immediately after applying TEST and CONTROL samples, volunteers were asked to rub the fingertips on the base of an LB Agar plate
- Repeated the procedure for 8 hours, with an interval of 1 hr.
- Plates were then incubated at 37°C for 24 hrs, later the plates were observed for microbial growth

**Results**

**Bacterial Growth on LB agar plates**

**HERBA NURIEL**



**REGULAR 70% IPA BASED SANITIZER**

