

14 October 2008

Regional Reference Laboratory for microbacterial research

CRR Microbacteria

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The test

The test of the effectiveness of the Nocospray/Nocolyse airborne surface disinfection system was carried out within room IL 0016 of the CRR Mycobacterium Laboratory by placing Petri dishes containing a dried mycobacterium suspension in various location (on the work surfaces and on the vertical laminar flow hoods set to on).

All the suspensions were prepared in duplicate and half of these were not exposed in the room where the test was carried out (growth control).

The appliance, positioned in the middle of the room close to the entrance, was set for a treatment/diffusion time of 10 minutes with the dispensation of approximately 170 ml of the Nocolyse product. After allowing the product to act for 15 minutes (contact time) it was possible to enter the room and retrieve the material in the bottom of the Petri dishes either treated or not (control samples). The contaminated swab was then used to prepare a liquid culture for mycobacterium.

The test was carried out by turning off the room's aeration system and without sealing the access door to the lab.

Dati Generali

Test date:	14 October 2008
Location:	Room IL 0016 CRR Mycobacteria Laboratory
Test carried out on:	Surfaces with dishes containing dried Mycobacterium tuberculosis (suspensions)
Method:	Diffusion of Nocolyse using the Nocospray appliance
Spraying time:	10 minutes
Contact time following spraying:	15 minutes
Area:	80m3 approximately
Room temperature:	unknown
Room ventilation	absent

Test results

The inoculated cultures containing the dried suspension of *Mycobacterium tuberculosis* that was exposed to the disinfection remained sterile until the end of the incubation period. All the growth control specimens showed a growth of *M.tuberculosis*.