

# 澳門科技大學

MACAU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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Samples Were collected on 3 separate days:

On 17<sup>th</sup> June, Control and test samples(T) were collected to evaluate bactericidal performance

On 19<sup>th</sup> June, test2(T+2) were collected to evaluate bactericidal performance

On 24<sup>th</sup> June, test3(T+7) were collected to evaluate bactericidal performance

Methods	
Unit representation	Colony-forming unit (CFU)
Experimental method description	Bacteria grow on plate solid medium by smearing method, actually count the number of real colonies
Data interpretation instructions	Presume that each colony is formed by the propagation of a single bacterium, directly count the number of colonies on the plate to infer the number of colonies
Data interpretation comparison	CFU is the true value

Microbiology Supervisor

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### Results:

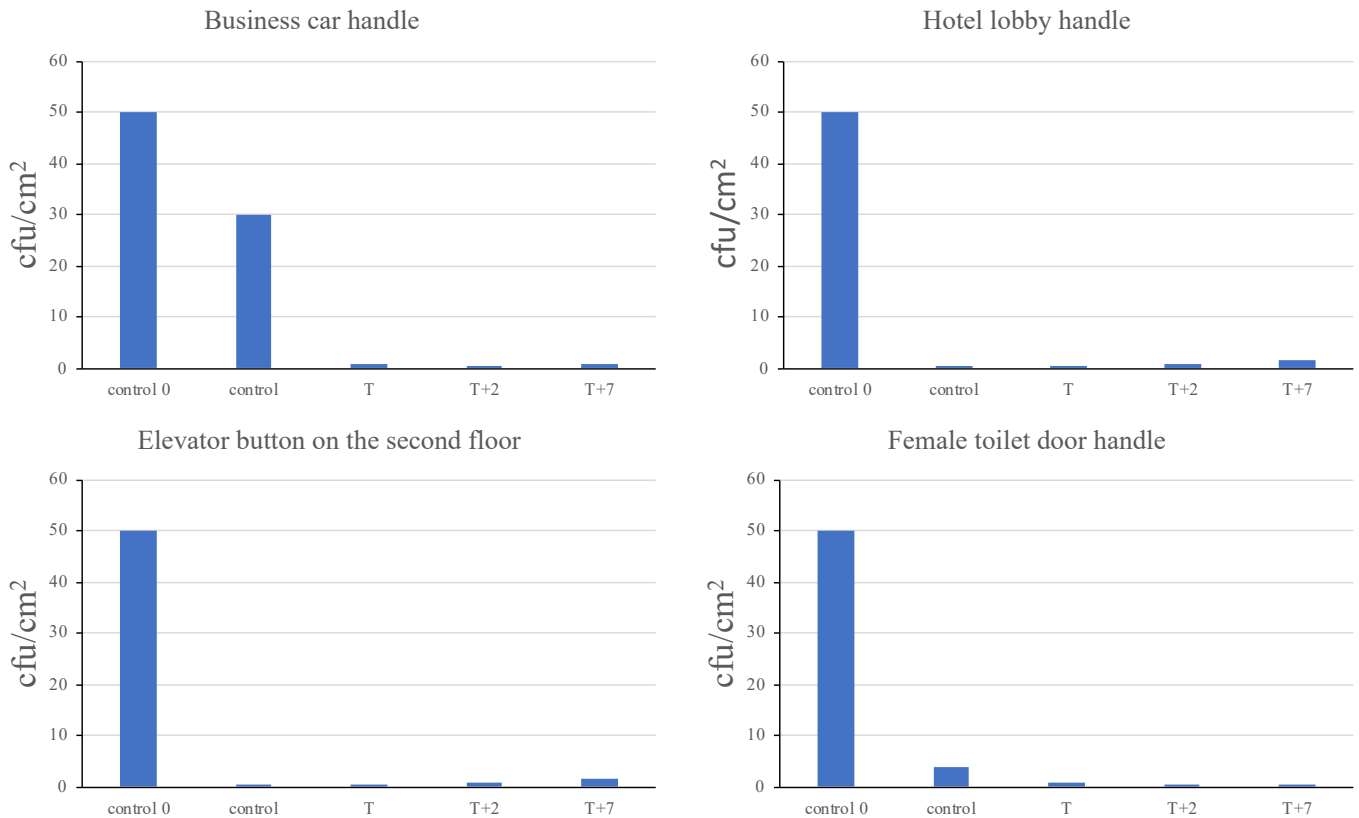


Figure1: Anti-microbial ability of GERMAGIC Thyme Coating

### Conclusion:

According to the 8-day sampling inspection, preliminary tests and repeated tests have shown that the coating has the ability to prevent the invasion of microorganisms under strong cleaning in the hotel environment. The total bacterial content in the National food safety standard food microbiological examination: General guidelines does not exceed 10 cfu/cm<sup>2</sup>, so it meets the national health standard.

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