




## Test Report

Date : 2019-12-02  
No. : HC19110345

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- Applicant (Code:01324971) :** Biotopica Group Pty Limited  
Level 1  
53 Burswood Road  
Burswood WA6100 Australia
- Description of Sample(s) :** One submitted sample said to be Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液).  
Country of Origin : Australia
- Sample(s) Received Condition(s): In intact original package  
under ambient temperature
- Date Sample(s) Received :** CL20191101340  
2019-11-12
- Date Tested :** 2019-11-18 to 2019-11-29
- Investigation Requested :** Antimicrobial Effectiveness against
- *Staphylococcus aureus* subsp. *Aureus* Rosenbach (Methicillin – Resistant Strain) MRSA 抗藥性金黃葡萄球菌 (ATCC 43300)
  - Vancomycin-Resistant Enterococci (VRE) 抗萬古黴素腸球菌 (ATCC 51299)
  - *Escherichia coli* 大腸桿菌 (ATCC 25922)
  - *Salmonella typhimurium* 鼠傷寒沙門氏菌 (ATCC 14028)
  - *Staphylococcus aureus* 金黃色葡萄球菌 (ATCC 6538)
  - *Pseudomonas aeruginosa* 銅綠假單胞菌 (ATCC 9027)
  - *Legionella pneumophila* 退伍軍人桿菌 (ATCC 33152)
  - *Vibrio parahaemolyticus* 副溶血弧菌 (ATCC 17802)

  
LEE Paul  
Authorized Signatory  
Chemical and Food Department  
For and on behalf of  
The Hong Kong Standards and Testing Centre Ltd.



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### Method(s) Used:

ASTM E2315-2016 (contact time : 10 minutes and 24 hours)

### Test Result(s):

Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)	
	<i>Staphylococcus aureus</i> subsp. <i>Aureus</i> Rosenbach (Methicillin – Resistant Strain) MRSA 抗藥性金黃葡萄球菌 (ATCC 43300)	
Contact Time	10 minutes	24 hours
Average of controls (CFU/ml)	5,600,000	5,600,000
Average of samples (CFU/ml)	<1	<1
Bacteria Reduction Rate	>99.99%	>99.99%

Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)	
	Vancomycin-Resistant Enterococci (VRE) 抗萬古黴素腸球菌 (ATCC 51299)	
Contact Time	10 minutes	24 hours
Average of controls (CFU/ml)	3,850,000	3,850,000
Average of samples (CFU/ml)	<1	<1
Bacteria Reduction Rate	>99.99%	>99.99%

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Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)	
	<i>Escherichia coli</i> 大腸桿菌 (ATCC 25922)	
Contact Time	10 minutes	24 hours
Average of controls (CFU/ml)	5,750,000	2,080,000
Average of samples (CFU/ml)	<1	<1
<b>Bacteria Reduction Rate</b>	>99.99%	>99.99%

Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)	
	<i>Salmonella typhimurium</i> 鼠傷寒沙門氏菌 (ATCC 14028)	
Contact Time	10 minutes	24 hours
Average of controls (CFU/ml)	3,600,000	2,975,000
Average of samples (CFU/ml)	<1	<1
<b>Bacteria Reduction Rate</b>	>99.99%	>99.99%

Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)	
	<i>Staphylococcus aureus</i> 金黃色葡萄球菌 (ATCC 6538)	
Contact Time	10 minutes	24 hours
Average of controls (CFU/ml)	5,350,000	5,925,000
Average of samples (CFU/ml)	<1	<1
<b>Bacteria Reduction Rate</b>	>99.99%	>99.99%

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Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)	
	<i>Pseudomonas aeruginosa</i> 銅綠假單胞菌 (ATCC 9027)	
Contact Time	10 minutes	24 hours
Average of controls (CFU/ml)	4,300,000	3,925,000
Average of samples (CFU/ml)	<1	<1
<b>Bacteria Reduction Rate</b>	>99.99%	>99.99%

Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)	
	<i>Legionella pneumophila</i> 退伍軍人桿菌 (ATCC 33152)	
Contact Time	10 minutes	
Average of controls (CFU/ml)	1,0475,500	
Average of samples (CFU/ml)	10	
<b>Bacteria Reduction Rate</b>	>99.99%	

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Test Trial	Biotopica Antibacterial Hand Sanitiser & Protectant (多碧嘉抗菌護手液) / Biotopica Antibacterial Skin Care & Protectant (多碧嘉清新護膚液)
	<i>Vibrio parahaemolyticus</i> 副溶血弧菌 (ATCC 17802)
Contact Time	10 minutes
Average of controls (CFU/ml)	1,300,000
Average of samples (CFU/ml)	<1
<b>Bacteria Reduction Rate</b>	>99.99%

Notes: - CFU/ml denotes Colony Forming Unit per milliliter  
- > denotes larger than  
- Bacteria Reduction Rate =  $\frac{\text{Average of controls} - \text{Average of samples}}{\text{Average of controls}} \times 100$

\*\*\*\*\* End of Test Report \*\*\*\*\*

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