



香 港 標 準 及 檢 定 中 心
The Hong Kong Standards and Testing Centre Ltd.

Date : 2006-04-04
No. : HC179553

TEST REPORT

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Applicant (Code:PAR003) : Park-Rich International Co
Unit 908 Shui Hing Centre
13 Sheung Yuet Rd
Kln Bay HK

Supplier / Manufacturer : Same as applicant

Description of Samples : One submitted sample said to be:
Toothbrush sanitizer carrying the brand name of UV Dental Travel
(#3828)

Date Samples Received : 2006-03-21

Date Tested : 2006-03-23 to 2006-03-29

Investigation Requested : Antimicrobial Effectiveness against *Escherichia coli* (ATCC 25922)
(Oral-B toothbrushes were used)

Conclusions : From the test results, the submitted sample was able to eliminate
99.99% of the inoculated *E. coli* within 7 minutes.



Boris Lee, CFD

For and on behalf of

The Hong Kong Standards and Testing Centre Ltd.



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For full text of "Conditions of Issuance of Test Reports", please refer to overleaf or refer to the website of
STC: www.hkstc.org (the section "Application and Quotation").



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Method(s) Used:

1. An *Escherichia coli* suspension with known concentration was prepared.
2. 0.2 ml of the suspension was inoculated into each of eight toothbrushes' heads.
3. Each time one inoculated toothbrush was put into the sanitizer.
4. The sanitizer was switched on and operated for 7 minutes.
5. Step 3. to 4. were repeated three more times.
6. Each toothbrush was taken out and the head washed in individual 10 ml sterile water.
7. Another four inoculated toothbrushes acted as controls (not put into sanitizer).
8. Total bacteria count was conducted on the washed solutions from the controls and test trials using pour plate method and the plates were incubated at 35°C for 48 hours.
9. Number of colonies on plates was counted.

Test Result(s):

Test Parameters	Average Bacteria Count (CFU/toothbrush) after treatment with UV Dental Travel (#3828) for 7 minutes
Number of bacteria added into each toothbrush (controls)	720,000
Number of bacteria recovered from each toothbrush	28
Bacteria Reduction Rate	99.99%

Notes: CFU denotes colony forming unit

Bacteria Reduction Rate = $\frac{\text{no. of bacteria added} - \text{no. of bacteria recovered after treatment}}{\text{no. of bacteria added}} \times 100$

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