

Test report

The sample(s) listed below was/were submitted and identified on behalf of the applicant/vendor

Applicant/Vendor : Stemie Company Limited
Unit B, 15F Capital Trade Centre, No. 62 Tsun Yip Street, Kwun Tong, Hong Kong

Manufacturer : /

Product Description : LED UVC Sterilizer Wand
Trade Mark : /
Model/Item/SKU# : ZLXDB-UVC75

Electrical Rating : /



Sample Receiving Date : 21/04/2020
Test Period : 26/04/2020 to 11/05/2020

Test Standard and Method : Please refer to next page(s)

Item Tested : Please refer to next page(s)

Revised Report? : No **If Yes, Previous Report** : /
Reason of Revision : /

Test Result : Please refer to next page(s)

Summary of Failed Item(s) : /

Remark : 1. Unless otherwise stated, the results shown in this test report refer only to the sample(s) submitted.
2. The test was carried out by external laboratory which is assessed as competent.

Signed for and on behalf of
SGS-CSTC Standard Technical Services Co., Ltd. Guangzhou Branch

Authorized Signature
Robin Lu



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1. Item tested: Validation of disinfection efficacy of sterilization and disinfection instruments.

Test standard and method:

- Technical standard for disinfection (2002 Ministry of health P.R.China)-2.1.5.4

Sample pretreatment:

- Took the glass as the carrier for microbe sheet, placed it 5mm under the lamp and the action time was 6 seconds.

Test result:

Test germ	Test group	Average Number of positive controls (cfu/PCS)	Average Number of testing groups (cfu/PCS)	Sterilization logarithm	Killing rate (%)
Staphylococcus aureus ATCC 6538	1	1.0 x 10 ⁶	5.1 x 10 ³	2.29	> 99
	2	1.1 x 10 ⁶	4.5 x 10 ³	2.39	> 99
	3	1.1 x 10 ⁶	5.2 x 10 ³	2.32	> 99

2. Item tested: Virus inactivation test

Test standard and method:

- Refer to Technical standard for disinfection (2002 Ministry of health P.R.China)-2.1.5.4

Test result:

Virus and host cell	Action time and distance	Group	Logarithm of infectivity titre of virus lgTCID ₅₀ / mL	Infectivity titre of virus TCID ₅₀ / mL	Logarithm reduction value (KL)	Virus inactivation ratio (%)
H3N2 influenza Virus; Host cell: MDCK	6s 5mm	Control group 1	5.90	7.94 x 10 ⁵	/	/
		Control group 2	5.80	6.31 x 10 ⁵		
		Control group 3	5.90	7.94 x 10 ⁵		
		Test group 1	3.67	4.68 x 10 ³	2.23	> 99
		Test group 2	3.75	5.62 x 10 ³	2.05	> 99
		Test group 3	3.80	6.31 x 10 ³	2.10	> 99
H1N1 influenza Virus (A/PR/8/34); Host cell: MDCK	6s 5mm	Control group 4	5.57	3.72 x 10 ⁵	/	/
		Control group 5	5.50	3.16 x 10 ⁵		
		Control group 6	5.57	3.72 x 10 ⁵		
		Test group 4	3.50	3.16 x 10 ³	2.07	> 99
		Test group 5	3.50	3.16 x 10 ³	2.00	> 99
		Test group 6	3.43	2.69 x 10 ³	2.14	> 99

*The results of the negative control group grew well. The results met all requirements of evaluation criteria.

--- End of Report ---



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