

**NO: SAMM 823**

(Issue 3, 1 November 2021 replacement of SAMM 823 dated 3 March 2021)

**LABORATORY LOCATION:**  
(PERMANENT LABORATORY)



**VIROXY SDN. BHD.**  
**6<sup>TH</sup> FLOOR, MENARA RKT**  
**NO. 36, JALAN RAJA ABDULLAH**  
**50300 KUALA LUMPUR**  
**MALAYSIA**

**FIELDS OF TESTING: MICROBIOLOGICAL AND CHEMICAL**

This laboratory has demonstrated its technical competence to operate in accordance with MS ISO/IEC 17025:2017 (ISO/IEC 17025:2017).

This laboratory's fulfillment of the requirements of ISO/IEC 17025 means the laboratory meets both the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically valid test results and calibrations. The management system requirements in ISO/IEC 17025 are written in language relevant to laboratory operations and operate generally in accordance with the principles of ISO 9001 (see Joint ISO-ILAC-IAF Communiqué dated April 2017).

**SCOPE OF TESTING: MICROBIOLOGICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<p><b><u>Microbiological</u></b> Chemical Disinfectants and Antiseptics</p>	<p>Quantitative suspension test for the evaluation of bactericidal activity in the medical area</p> <p>Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area</p> <p>Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics</p> <p>Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas</p> <p>Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants in the medical area including instrument disinfectants</p>	<p>EN 13727: 2012+A2: 2015 (E)</p> <p>EN 13624: 2013 (E)</p> <p>EN 1275: 2005 (E) (Dilution-neutralization Method)</p> <p>EN 1276: 2019 (E) (Dilution-neutralization Method)</p> <p>EN 14348: 2005 (E)</p>

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# Schedule

Issue date: 1 November 2021  
Valid until: 7 April 2023



## NO: SAMM 823

(Issue 3, 1 November 2021 replacement of SAMM 823 dated 3 March 2021)

Page: 2 of 7

### SCOPE OF TESTING: MICROBIOLOGICAL

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<p><b><u>MICROBIOLOGICAL</u></b> Chemical Disinfectants and Antiseptics (continued)</p>	<p>Quantitative suspension test for the evaluation of basic bactericidal activity or chemical disinfectants and antiseptics</p> <p>Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas</p> <p>Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area</p> <p>Quantitative non-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas</p> <p>Quantitative carrier test for the evaluation of bactericidal activity for instruments used in the medical area</p> <p>Quantitative carrier test for the evaluation of fungicidal or yeasticidal activity for instruments used in the medical area</p> <p>Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemical disinfectants used for instruments in the medical area</p> <p>Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area</p>	<p>EN 1040: 2005 (E) (Dilution-neutralization Method)</p> <p>EN 1650: 2019 (E) (Dilution-neutralization Method)</p> <p>EN 1657: 2016 (E)</p> <p>EN 13697: 2015+ A1: 2019(E)</p> <p>EN 14561: 2006 (E)</p> <p>EN 14562: 2006 (E)</p> <p>EN 14563: 2008 (E)</p> <p>EN 14204: 2012 (E) (Dilution-neutralization Method)</p>

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Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<b>Microbiological</b> Chemical Disinfectants and Antiseptics (continued)	<p>Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area</p> <p>Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surfaces without mechanical action</p> <p>Quantitative surface test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area on non-porous surface without mechanical action</p> <p>Hygienic handwash</p> <p>Hygienic handrub</p> <p>Surgical hand disinfection</p> <p>Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas</p> <p>Quantitative test method for the evaluation of bactericidal and yeasticidal activity on non-porous surfaces with mechanical action employing wipes in the medical area (4-field test)</p>	<p>EN 1656: 2019 (E) (Dilution-neutralization Method)</p> <p>EN 14349: 2012 (E)</p> <p>EN 16438: 2014 (E)</p> <p>EN 1499: 2013 (E)</p> <p>EN 1500: 2013 (E)</p> <p>EN 12791: 2016+A1: 2017 (E)</p> <p>EN 13704: 2018 (E)</p> <p>EN 16615: 2015 (E)</p>

**NO: SAMM 823**(Issue 3, 1 November 2021 replacement  
of SAMM 823 dated 3 March 2021)

Page: 4 of 7

**SCOPE OF TESTING: MICROBIOLOGICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<b>Microbiological</b> Chemical Disinfectants and Antiseptics (continued)	Determination of the bacteriostatic and yeaststatic activity as well as a suitable neutralizer	VAH Method 7
	Determination of the bactericidal and yeasticidal activity in the qualitative suspension test	VAH Method 8
	Determination of the bactericidal, yeasticidal, fungicidal, tuberculocidal and mycobactericidal activity in the quantitative suspension test	VAH Method 9
	Surface disinfection without mechanical action – simulated-use test	VAH Method 14.1
	Surface disinfection with mechanical action – simulated-use test (4-fied test)	VAH Method 14.2
	Chemical/chemical-thermal instrument disinfection – quantitative carrier test	VAH Method 15
	The TGA Disinfectant Test	TGA
	Standard Test Methods for Determination of Bactericidal Efficacy on the Surface of Medical Examination Gloves	ASTM D7907-14
	Microbiology of the food chain – Horizontal methods for surface sampling	ISO 18593: 2018 (E)

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**NO: SAMM 823**(Issue 3, 1 November 2021 replacement  
of SAMM 823 dated 3 March 2021)

Page: 5 of 7

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<b>Microbiological</b> Chemical Disinfectants and Antiseptics (continued)	Air Sampling – Impaction Method  Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary area on porous surfaces without mechanical action  Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants in the medical area	TM-7.2.32 In-house method based on Compendium of Methods for the Microbiological Examination of Foods, 5 <sup>th</sup> Edition 2015, Chapter 3  EN 16437: 2014+A1: 2019 (E)  EN 17126: 2018 (E)

**Note:**

EN – European Standard

TGA – Therapeutic Goods Administration

VAH – Verbund für Angewandte Hygiene e.V. (Association of Applied Hygiene)

TM – Test Method

**Signatories:**

1. **Dr. Peter Cheong Chiew Hing**
2. **Raja Maizatul Akmal binti Raja Ismail**
3. **Afiq Nazran bin Mohd Nezam**
4. **Nurul Ezzetty binti Mohd Zaki**
5. **Yew Tuck Fai**

**NO: SAMM 823**(Issue 3, 1 November 2021 replacement  
of SAMM 823 dated 3 March 2021)

Page: 6 of 7

**SCOPE OF TESTING: MICROBIOLOGICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<b>Microbiological</b> Chemical Disinfectants and Antiseptics (continued)	Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area  Quantitative suspension test for the evaluation of virucidal activity in the medical area  Quantitative carrier test for the evaluation of virucidal activity for instruments used in the medical area  Quantitative Non-porous surface for the evaluation of virucidal activity of chemical disinfectants used in medical area	EN 14675: 2015 (E) (Quantal Tests)  EN 14476: 2013+A2: 2019 (E) (Quantal Tests)  EN 17111: 2018 (E) (Quantal Tests)  EN 16777: 2018 (E)

Note:

EN – European Standard

**Signatories:**

1. **Dr. Siti Syazani Suhaimi**
2. **Dr. Peter Cheong Chiew Hing**
3. **Tan Wei Keat**

**NO: SAMM 823**(Issue 3, 1 November 2021 replacement  
of SAMM 823 dated 3 March 2021)

Page: 7 of 7

**SCOPE OF TESTING: CHEMICAL**

Materials/ Products Tested	Type of Test/ Properties Measured/ Range of Measurement	Standard Test Methods/ Equipment/Techniques
<b><u>Chemical</u></b> Chemical Disinfectants and Antiseptics (continued)	Materials used for dental equipment surfaces: determination of resistance to chemical disinfectants  Dentistry hydrocolloid impression materials. Clause 7.3 Detail reproduction test before and after specimen disinfection	EN ISO 21530: 2014 (Exclude Section 5.5 – Spray Test)  EN ISO 21563-2013

Note:

EN – European Standard

**Signatories:**

1. **Dr. Peter Cheong Chiew Hing**
2. **Dr. Kee Shin Yiing**