

Disinfectant Efficacy Testing

We have 30 European Norms and numerous other standards (VAH, ISO, ASTM, AOAC, TGA and PAS) listed under the scope of ISO/IEC 17025 accreditation for disinfectant efficacy testing.

Bactericidal Test		
Area	European Norm	Description
	EN 1040:2005	Quantitative suspension test for the evaluation of basic bactericidal activity of chemical disinfectants and antiseptics. (Dilution-neutralization Method)
Medical Area	EN 13727:2012+A2:2015	Quantitative suspension test for the evaluation of bactericidal activity in the medical area. (Dilution-neutralization Method, Modified Dilution-neutralization & Membrane Filtration Method)
	EN 14561:2006	Quantitative carrier test for the evaluation of bactericidal activity for instruments used in the medical area.
	EN 16615:2015	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)
	EN 17387:2021	Quantitative test for the evaluation of bacterial and yeasticidal and/or fungicidal activity of chemical disinfectants in the medical area on non-porous surfaces without mechanical action.
Veterinary Area	EN 1656:2019	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in the veterinary area. (Dilution-neutralization Method)
	EN 14349:2012	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.
	EN 16437:2014+A1:2019	Quantitative surface test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in veterinary area on porous surfaces without mechanical action.

Food, Industrial, Domestic and Institutional Area	EN 1276:2019	Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas. (Dilution-neutralization Method)
	EN 13697:2015+A1:2019	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.

Yeasticidal & Fungicidal Test		
Area	European Norm	Description
Medical Area	EN 1275:2005	Quantitative suspension test for the evaluation of basic fungicidal or basic yeasticidal activity of chemical disinfectants and antiseptics. (Dilution-neutralization Method)
	EN 13624:2021	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity in the medical area. (Dilution-neutralization Method, Modified Dilution-neutralization & Membrane Filtration Method)
	EN 14562:2006	Quantitative carrier test for the evaluation of fungicidal or yeasticidal activity for instruments used in the medical area.
	EN 16615:2015	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)
Veterinary Area	EN 17387:2021	Quantitative test for the evaluation of bacterial and yeasticidal and/or fungicidal activity of chemical disinfectants in the medical area on non-porous surfaces without mechanical action.
	EN 1657:2016	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in the veterinary area. (Dilution-neutralization Method)
	EN 16438:2014	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.

Food, Industrial, Domestic and Institutional Area	EN 1650:2019	Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas. (Dilution-neutralization Method)
	EN 13697:2015+A1:2019	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.

Virucidal Test		
Area	European Norm	Description
Medical Area	EN 14476: 2013+A2:2019	Quantitative suspension test for the evaluation of virucidal activity in the medical area. (Quantal Tests)
	EN 17111:2018	Quantitative carrier test for the evaluation of virucidal activity for instruments used in the medical area. (Quantal Tests)
	EN 16777:2018	Quantitative non-porous surface test without mechanical action for the evaluation of virucidal activity of chemical disinfectants used in the medical area. (Quantal Tests)
Veterinary Area	EN 14675:2015	Quantitative suspension test for the evaluation of virucidal activity of chemical disinfectants and antiseptics used in the veterinary area. (Quantal Tests)

Tuberculocidal & Mycobactericidal Test		
Area	European Norm	Description
Medical Area	EN 14348:2005	Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants in the medical area including instrument disinfectants.
	EN 14563:2008	Quantitative carrier test for the evaluation of mycobactericidal or tuberculocidal activity of chemical disinfectants used for instruments in the medical area.
Veterinary Area	EN 14204:2012	Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area. (Dilution-neutralization Method)

Sporicidal Test		
Area	European Norm	Description
Medical Area	EN 17126:2018	Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants in the medical area.
Food, Industrial, Domestic and Institutional Area	EN 13704:2018	Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas. (Dilution-neutralization Method)

Hand Disinfectant Tests		
Area	European Norm	Description
	EN 1499:2013	Hygienic handwash.
	EN 1500:2013	Hygienic handrub.
	EN 12791:2016+A1:2017	Surgical hand disinfection.
	EN 17430:2024	Hygienic handrub virucidal.

Others		
Area	Standards	Description
	EN ISO 21563:2013	Dentistry – Hydrocolloid impression materials
	EN ISO 21530:2004	Materials used for dental equipment surfaces: determination of resistance to chemical disinfectants. (Exclude Section 5.5 – Spray Test)
	EN 17272:2020	Methods of airborne room disinfection by automated process – Determination of bactericidal mycobactericidal, sporicidal, fungicidal, yeasticidal, virucidal and phagocidal activities.
	VAH Method 7	Determination of the bacteriostatic and yeaststatic activity as well as a suitable neutraliser.
	VAH Method 8	Determination of the bactericidal and yeasticidal activity in the qualitative suspension test.

VAH Method 9	Determination of the bactericidal, yeasticidal, fungicidal, tuberculocidal and mycobactericidal activity in the quantitative suspension test.
VAH Method 14.1	Surface disinfection without mechanical action – simulated-use test.
VAH Method 14.2	Surface disinfection with mechanical action – simulated-use test. (4-field test)
VAH Method 15	Chemical/chemical-thermal instrument disinfection – quantitative carrier test.
ISO 22196:2011	Measurement of antibacterial activity on plastics and other non-porous surfaces.
ISO 20743:2013	Determination of antibacterial activity of textile products.
ISO 21702:2019	Measurement of antiviral activity on plastics and other non-porous surfaces. (Quantal Tests)
ISO 18184:2019	Determination of antiviral activity on textile products. (Quantal Tests)
ASTM D7907-14:2019	Standard test methods for determination of bactericidal efficacy on the surface of medical examination gloves.
ASTM E1053:2020	Assess virucidal activity of chemicals intended for disinfection on inanimate, nonporous environmental surfaces. (Quantal Tests)
AOAC 961.02:2009	Germicidal spray products as disinfectant.

	TGA	TGA disinfectant test.
	PAS 2424:2014	Quantitative surface test for the evaluation of residual antimicrobial (bactericidal and/or yeasticidal) efficacy of liquid chemical.



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Founded on 30 June 2016 in the heart of Kuala Lumpur, Malaysia, Viroxy Sdn. Bhd. is a breath of fresh air among testing laboratories providing microbiological and chemical testing services. Apart from disinfectant efficacy testing services which is the mainstay of Viroxy’s business, the laboratory also offers sterility testing, bioburden testing, chemical testing and environmental monitoring services and product registration consultancy. With exceptionally short turnaround time and affordable rates, the laboratory has radically changed the course of testing laboratories everywhere.

Viroxy is armed with on-site microbiology, chemistry, tissue culture and virology laboratories fitted with the latest equipment and ready to conduct tests on a collection of more than 160 microorganisms including bacteria, fungi, viruses, and spores. Today, the laboratory is well poised to meet the demands of an impressive line-up of international clients while upholding high standards embedded within its work culture.

Bearing testament to the capability and resolution of Viroxy’s workforce in establishing itself as a formidable player in the field is the laboratory’s track record of acquiring ISO/IEC 17025 accreditation with 30 European Norms as well as numerous other standards for disinfectant efficacy testing under the scope within just a few years of incorporation, with other standards currently underway.

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