

DIN EN 13623:2010-12 (E)

Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of bactericidal activity against Legionella of chemical disinfectants for aqueous systems - Test method and requirements (phase 2, step 1)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Requirements	5
5	Test methods	6
5.1	Principle	6
5.2	Materials and reagents	6
5.2.1	Test organism	6
5.2.2	Culture media and reagents	6
5.3	Apparatus and glassware	10
5.3.1	General	10
5.3.2	Usual microbiological laboratory equipment	10
5.4	Preparation of test organism suspensions and test solutions	11
5.4.1	Test organism suspension (test and validation suspension)	11
5.4.2	Product test solution	13
5.5	Procedure for assessing the bactericidal activity of the product	13
5.5.1	General	13
5.5.2	Dilution-neutralization method	15
5.5.3	Membrane filtration method	17
5.6	Experimental data and calculations	18
5.6.1	Explanation of terms and abbreviations	18
5.6.2	Calculation	19
5.7	Verification of methodology	22
5.7.1	General	22
5.7.2	Control of weighted mean counts	23
5.7.3	Basic limits	23
5.8	Expression of results and precision	23
5.8.1	Reduction	23
5.8.2	Control of active and non-active product test solution (5.4.2)	23
5.8.3	Bactericidal concentration	23
5.8.4	Precision, repetition	24
5.9	Interpretation of results - conclusion	24
5.9.1	General	24
5.9.2	Bactericidal activity for general purposes	24
5.9.3	Bactericidal activity for specific purposes	24
5.10	Test report	24
Annex A (informative) Determination of the bactericidal activity against Legionella pneumophila		26
Annex B (informative) Neutralizer		28

Annex C (informative) Graphical representation of test procedures	30
C.1 Dilution-neutralization method	30
C.2 Membrane filtration method	32
Bibliography	34