

# DIN EN 14204:2013-02 (E)

**Chemical disinfectants and antiseptics - Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants and antiseptics used in the veterinary area - Test method and requirements (phase 2, step 1)**

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>5</b>
<b>4</b>	<b>Requirements .....</b>	<b>5</b>
<b>5</b>	<b>Test method .....</b>	<b>6</b>
5.1	Principle .....	6
5.2	Materials and reagents .....	7
5.2.1	Test organisms .....	7
5.2.2	Culture media and reagents .....	7
5.3	Apparatus and glassware .....	10
5.3.1	General .....	10
5.3.2	Usual microbiological laboratory equipment and, in particular, the following: .....	10
5.4	Preparation of mycobacterial test suspension and product test solutions .....	11
5.4.1	Mycobacterial test suspensions (test and validation suspension) .....	11
5.4.2	Product test solutions .....	13
5.5	Procedure for assessing the mycobactericidal activity of the product .....	14
5.5.1	General .....	14
5.5.2	Test procedure - Dilution-neutralization method .....	15
5.5.3	Test procedure - Membrane filtration method .....	17
5.6	Experimental data and calculation .....	19
5.6.1	Explanation of terms and abbreviations .....	19
5.6.2	Calculation .....	19
5.7	Verification of methodology .....	23
5.7.1	General .....	23
5.7.2	Control of weighted mean counts .....	23
5.7.3	Basic limits .....	23
5.8	Expression of results .....	24
5.8.1	Reduction .....	24
5.8.2	Control of active and non-active product test solution (5.4.2) .....	24
5.8.3	Mycobactericidal concentration .....	24
5.9	Interpretation of results - conclusion .....	24
5.9.1	General .....	24
5.9.2	Mycobactericidal activity for general purposes .....	24
5.9.3	Qualification for certain fields of application .....	24
5.10	Test report .....	25
Annex A (informative) Referenced strain in national collections .....		27
Annex B (informative) Examples of neutralizers of the residual antimicrobial activity of chemical disinfectants and antiseptics and rinsing liquids .....		28

<b>Annex C (informative) Graphical representations of dilution-neutralization method .....</b>	<b>30</b>
<b>Annex D (informative) Example of a typical test report .....</b>	<b>32</b>
<b>Bibliography .....</b>	<b>36</b>