

DIN EN ISO 20743:2013-12 (E)

Textiles - Determination of antibacterial activity of textile products (ISO 20743:2013)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Safety precaution	6
5	Apparatus	6
6	Reagents and culture media	8
6.1	Water	8
6.2	Tryptone soya broth (TSB)	8
6.3	Tryptone soya agar (TSA)	8
6.4	Agar for transfer. 5 6.5 Nutrient broth (NB)	9
6.6	Peptone salt solution	9
6.7	Physiological saline	9
6.8	SCDLP medium	10
6.9	Dilution buffer for shake-out bacterial suspension	10
6.10	Neutralizing solution	10
6.11	Enumeration agar (EA)	11
6.12	Agar for printing	11
6.13	Cryoprotective solution for bacterial species	11
6.14	Stock solution of ATP standard reagent	11
6.15	Buffer solution for ATP luminescent reagent	12
6.16	ATP luminescent reagent	12
6.17	ATP extracting reagent	12
6.18	ATP eliminating reagent	12
6.19	SCDLP or other medium for preparing ATP reference solution	13
6.20	Shake-out physiological saline	13
7	Reference strains	13
7.1	Strains	13
7.2	Storage of strains	14
8	Test procedures	15
8.1	Absorption method (see Annex E)	15
8.2	Transfer method (see Annex E)	19
8.3	Printing method (see Annex E)	22
9	Test report	26
Annex A (normative)	Strain numbers	27
Annex B (normative)	Shaking method	28
Annex C (normative)	Quantitative measurement by plate count method	29

Annex D (normative) Quantitative measurement by luminescence method	30
Annex E (informative) Testing examples	32
Annex F (informative) Efficacy of antibacterial activity	35
Bibliography	36