

ISO 20743:2013-07 (E)

Textiles - Determination of antibacterial activity of textile products

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Safety precaution	2
5	Apparatus	2
6	Reagents and culture media	4
6.1	Water	4
6.2	Tryptone soya broth (TSB)	4
6.3	Tryptone soya agar (TSA)	4
6.4	Agar for transfer	5
6.5	Nutrient broth (NB)	5
6.6	Peptone salt solution	5
6.7	Physiological saline	5
6.8	SCDLP medium	6
6.9	Dilution buffer for shake-out bacterial suspension	6
6.10	Neutralizing solution	6
6.11	Enumeration agar (EA)	7
6.12	Agar for printing	7
6.13	Cryoprotective solution for bacterial species	7
6.14	Stock solution of ATP standard reagent	7
6.15	Buffer solution for ATP luminescent reagent	8
6.16	ATP luminescent reagent	8
6.17	ATP extracting reagent	8
6.18	ATP eliminating reagent	8
6.19	SCDLP or other medium for preparing ATP reference solution	9
6.20	Shake-out physiological saline	9
7	Reference strains	9
7.1	Strains	9
7.2	Storage of strains	10
8	Test procedures	11
8.1	Absorption method (see Annex E)	11
8.2	Transfer method (see Annex E)	15
8.3	Printing method (see Annex E)	18
9	Test report	22
Annex A (normative)	Strain numbers	23
Annex B (normative)	Shaking method	24
Annex C (normative)	Quantitative measurement by plate count method	25

Annex D (normative) Quantitative measurement by luminescence method	26
Annex E (informative) Testing examples	28
Annex F (informative)Efficacyofantibacterialactivity	31
Bibliography	32