

DIN EN ISO 22718:2016-05 (E)

Cosmetics - Microbiology - Detection of *Staphylococcus aureus* (ISO 22718:2015)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1 Scope		6
2 Normative references		6
3 Terms and definitions		6
4 Principle		7
5 Diluents and culture media		7
5.1	General	7
5.2	Diluent for the bacterial suspension (tryptone sodium chloride solution)	8
5.2.1	General	8
5.2.2	Composition	8
5.2.3	Preparation	8
5.3	Culture media	8
5.3.1	General	8
5.3.2	Agar medium for the suitability test (see Clause 11) [soybean-casein digest agar medium (SCDA) or tryptic soy agar (TSA)]	8
5.3.3	Enrichment broth	9
5.3.4	Selective agar medium for isolation of <i>Staphylococcus aureus</i>	10
6 Apparatus and glassware		11
7 Strains of microorganisms		11
8 Handling of cosmetic products and laboratory samples		11
9 Procedure		12
9.1	General recommendation	12
9.2	Preparation of the initial suspension in the enrichment broth	12
9.2.1	General	12
9.2.2	Water-miscible products	12
9.2.3	Water-immiscible products	12
9.2.4	Filterable products	12
9.3	Incubation of the inoculated enrichment broth	12
9.4	Detection and identification of <i>Staphylococcus aureus</i>	12
9.4.1	Isolation	12
9.4.2	Identification of <i>Staphylococcus aureus</i>	13
10 Expression of the results (detection of <i>Staphylococcus aureus</i>)		13
11 Neutralization of the antimicrobial properties of the product		14
11.1	General	14
11.2	Preparation of inoculum	14
11.3	Suitability of the detection method	14
11.3.1	Procedure	14
11.3.2	Interpretation of suitability test results	14
12 Test report		15
Annex A (informative) Other media		16
Annex B (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids		19
Bibliography		20