

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