

DIN EN ISO 18416:2018-01 (E)

Cosmetics - Microbiology - Detection of *Candida albicans* (ISO 18416:2015, Corrected version 2016-12-15)

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 yeast 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 suitability test (see Clause 11).....	8
5.3.3 Enrichment broth.....	9
5.3.4 Selective agar medium for isolation of <i>Candida albicans</i>	10
5.3.5 Corn meal agar with 1 % polysorbate 80.....	10
6 Apparatus and glassware	10
7 Strains of microorganisms	10
8 Handling of cosmetic products and laboratory samples	11
9 Procedure	11
9.1 General recommendation.....	11
9.2 Preparation of the initial suspension in the enrichment broth.....	11
9.2.1 General.....	11
9.2.2 Water-miscible products.....	11
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>Candida albicans</i>	12
9.4.1 Isolation.....	12
9.4.2 Identification of <i>Candida albicans</i>	12
10 Expression of the results (detection of <i>Candida albicans</i>)	13
11 Neutralization of the antimicrobial properties of the product	13
11.1 General.....	13
11.2 Preparation of inoculum.....	13
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	14
Annex A (informative) Other media	16
Annex B (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids	21
Bibliography	22