

DIN EN ISO 18416:2023-01 (E)

Cosmetics - Microbiology - Detection of *Candida albicans* (ISO 18416:2015, Corrected version 2016-12-15 + Amd 1:2022) (includes Amendment :2022)

Contents	Page
European foreword	3
A1 European foreword to Amendment A1	4
Foreword	5
Introduction	6
1 Scope	7
2 Normative references	7
3 Terms and definitions	7
4 Principle	8
5 Diluents and culture media	8
5.1 General	8
5.2 Diluent for the yeast suspension (tryptone sodium chloride solution)	9
5.2.1 General	9
5.2.2 Composition	9
5.2.3 Preparation	9
5.3 Culture media	9
5.3.1 General	9
5.3.2 Agar medium for suitability test (see Clause 11)	9
5.3.3 Enrichment broth	10
5.3.4 Selective agar medium for isolation of <i>Candida albicans</i>	11
5.3.5 Corn meal agar with 1 % polysorbate 80	12
6 Apparatus and glassware	12
7 Strains of microorganisms	12
8 Handling of cosmetic products and laboratory samples	13
9 Procedure	13
9.1 General recommendation	13
9.2 Preparation of the initial suspension in the enrichment broth	13
9.2.1 General	13
9.2.2 Water-miscible products	13
9.2.3 Water-immiscible products	13
9.2.4 Filterable products	13
9.3 Incubation of the inoculated enrichment broth	14
9.4 Detection and identification of <i>Candida albicans</i>	14
9.4.1 Isolation	14
9.4.2 Identification of <i>Candida albicans</i>	14
10 Expression of the results (detection of <i>Candida albicans</i>)	15
11 Neutralization of the antimicrobial properties of the product	15
11.1 General	15
11.2 Preparation of inoculum	15
11.3 Suitability of the detection method	15
11.3.1 Procedure	15
11.3.2 Interpretation of suitability test results	16
12 Test report	16
Annex A (informative) Other media	17
Annex B (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids	22
Bibliography	23