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Cosmetics — Microbiology — Detection of *Candida albicans*

Cosmétiques — Microbiologie — Détection de Candida albicans



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Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions.....	1
4 Principle	2
5 Diluents and culture media	2
5.1 General.....	2
5.2 Diluent for the yeast suspension (tryptone sodium chloride solution)	3
5.3 Culture media	3
6 Apparatus and glassware	5
7 Strains of microorganisms	5
8 Handling of cosmetic products and laboratory samples	6
9 Procedure	6
9.1 General recommendation	6
9.2 Preparation of the initial suspension in the enrichment broth	6
9.3 Incubation of the inoculated enrichment broth	7
9.4 Detection and identification of <i>Candida albicans</i>	7
10 Expression of the results (detection of <i>Candida albicans</i>)	8
11 Neutralization of the antimicrobial properties of the product.....	8
11.1 General.....	8
11.2 Preparation of inoculum	8
11.3 Validation of the detection method.....	9
12 Test report	9
Annex A (informative) Other media	11
Annex B (informative) Neutralizers of antimicrobial activity of preservatives and rinsing liquids	15
Bibliography	16

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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ISO 18416 was prepared by Technical Committee ISO/TC 217, *Cosmetics*.

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Introduction

Microbiological examinations of cosmetic products are carried out according to an appropriate microbiological risk analysis in order to ensure their quality and safety for consumers.

Microbiological risk analysis depends on several parameters such as:

- potential alteration of cosmetic products;
- pathogenicity of microorganisms;
- site of application of the cosmetic product (hair, skin, eyes, mucous membranes);
- type of user (adults, children, including under 3 years).

For cosmetics and other topical products, the detection of *Staphylococcus aureus*, *Pseudomonas aeruginosa* and *Candida albicans* may be relevant because they can cause skin or eye infections. The detection of other kinds of microorganism might be of interest since those microorganisms (including indicators of faecal contamination, e.g. *Escherichia coli*) suggest hygienic failure during the manufacturing process.