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**Cosmetics — Microbiology —  
Enumeration and detection of aerobic  
mesophilic bacteria**

**AMENDMENT 1**

*Cosmétiques — Microbiologie — Dénombrement et détection des  
bactéries aérobies mésophiles*  
AMENDEMENT 1

iTeh STANDARD PREVIEW  
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ISO 21149:2017/Amd 1:2022

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This document was prepared by Technical Committee ISO/TC 217, *Cosmetics*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 392, *Cosmetics*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

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# Cosmetics — Microbiology — Enumeration and detection of aerobic mesophilic bacteria

## AMENDMENT 1

### 5.4.3.2

Modify the title of subclause 5.4.3.2 as follows:

#### 5.4.3.2 Enrichment broth

Modify the title of 5.4.3.2.1 and renumber the subsequent subclauses as follows:

#### 5.4.3.2.1 Eugon LT100 broth

##### 5.4.3.2.1.1 General

This medium contains ingredients

- which neutralize inhibitory substances present in the sample: lecithin and polysorbate 80, and
- dispersing agent: octoxynol 9.

##### 5.4.3.2.1.2 Composition

##### 5.4.3.2.1.3 Preparation

Add the following new subclause 5.4.3.2.2 after 5.4.3.2.1.3:

#### 5.4.3.2.2 Modified Eugon LT broth

##### 5.4.3.2.2.1 General

Modified Eugon LT broth can be used as an alternative.

##### 5.4.3.2.2.2 Composition

Pancreatic digest of casein	15 g
Papaic digest of soybean meal	5 g
Sodium chloride	4 g
L-cystine	0,7 g
Sodium sulphite	0,2 g
Glucose	5,5 g
Egg lecithin	1 g

Polysorbate 80	15 g
Sodium lauryl ether sulfate	1,56 g
Water	1 000 ml

#### 5.4.3.2.3 Preparation

Dissolve successively into boiling water polysorbate 80 and egg lecithin until they are completely dissolved. Dissolve the other components by mixing while heating. Dispense the medium into suitable containers. Sterilize in the autoclave at 121 °C for 15 min. Mix well after sterilization while the liquid is still hot to redissolve settled substances. After sterilization, the pH shall be equivalent to  $7,0 \pm 0,2$  when measured at room temperature.

#### 5.4.3.3

Add the following new subclause (5.4.3.3.2)

#### 5.4.3.3.2 Modified Eugon LT agar

##### 5.4.3.3.2.1 Composition

Pancreatic digest of casein	15 g
Papaic digest of soybean meal	5 g
Sodium chloride	4 g
L-cystine	0,7 g
Sodium sulphite	0,2 g
Glucose	5,5 g
Egg lecithin	1 g
Polysorbate 80	15 g
Sodium lauryl ether sulfate	1,56 g
Agar	15 g
Water	1 000 ml

##### 5.4.3.3.2.2 Preparation

Dissolve successively into boiling water polysorbate 80 and egg lecithin until they are completely dissolved. Dissolve the other components by mixing while heating. Dispense the medium into suitable containers. Sterilize in the autoclave at 121 °C for 15 min. Mix well after sterilization while the liquid is still hot to redissolve settled substances. After sterilization, the pH shall be equivalent to  $7,0 \pm 0,2$  when measured at room temperature.

Renumber the former subclause 5.4.3.3.2 to 5.4.3.3.3:

#### 5.4.3.3.3 Other agar media for detection

