
8]U[bcgh] b]`g]ghYa]]b`j]]fc`È; c`jy UnJa]_fcV]c`c[]]c`È`nfUnj]b`XYZ]b]WY

In vitro diagnostic systems - Culture media for microbiology - Terms and definitions

In-vitro-Diagnostik/Diagnostika - Kulturmedien für die Mikrobiologie - Begriffe

Systemes de diagnostic in vitro - Milieux de culture de microbiologie - Termes et définitions

(standards.iteh.ai)

Ta slovenski standard je istoveten z: EN 1659:1996

<https://standards.iteh.ai/catalog/standards/sist/bbb1dcf5-42b6-40f9-88b4-427269eb4acc/sist-en-1659-2000>

ICS:

01.040.07	Matematika. Naravoslovne vede (Slovarji)	Mathematics. Natural sciences (Vocabularies)
07.100.10	Medicinska mikrobiologija	Medical microbiology
11.100.10	Öäë } [• ä } ä ^ • \ ~ } ä • ä c { ä ä Ä ä [In vitro diagnostic test systems

SIST EN 1659:2000

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 1659:2000

<https://standards.iteh.ai/catalog/standards/sist/bbb1dcf5-42b6-40f9-88b4-427269eb4acc/sist-en-1659-2000>

EUROPEAN STANDARD

EN 1659

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1996

ICS 01.040.07; 07.100.10

Descriptors: medicine, bioassay, microbiological analysis, culture media, vocabulary

English version

In vitro diagnostic systems - Culture media for microbiology - Terms and definitions

Systemes de diagnostic in vitro - Milieux de culture de microbiologie - Définitions
In-vitro-Diagnostik/Diagnostika - Kulturmedien für die Mikrobiologie - Begriffe
Terms et

ITeH STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 1659:2000

<https://standards.iteh.ai/catalog/standards/sist/bbb1dcf5-42b6-40f9-88b4-427269eb4acc/sist-en-1659-2000>

This European Standard was approved by CEN on 1996-10-19. CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

The European Standards exist in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 140 "In vitro diagnostic systems" the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 1997, and conflicting national standards shall be withdrawn at the latest by May 1997.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 1659:2000

<https://standards.iteh.ai/standards/sist/1659-2000/42/2099-449-sist-en-1659-2000>

ANALIZIRANJE
.....

INSTITUCIJA REPUBLIKE SLOVENIJE



1 Scope

This European Standard provides terms for different classifications of culture media used in microbiology (bacteriology and mycology).

2 Definitions

2.1 culture medium: Formulation of substances, in liquid, semi-solid or in solid form, which contains natural and/or synthetic constituents intended to support the multiplication, or to preserve the viability, of microorganisms.

NOTE: When used in connection with compound words, this term is often shortened into "medium" (e.g. enrichment medium).

2.2 Culture media classified by composition

2.2.1 chemically defined culture medium: Culture medium consisting of chemically defined constituents (i.e. of known molecular structure and degree of purity) only.

2.2.2 chemically incompletely defined culture medium: Culture medium consisting entirely or partly of natural raw materials, the chemical compositions of which are incompletely defined.

2.3 Culture media classified by consistency

2.3.1 liquid culture medium: Culture medium consisting of an aqueous solution of one or more constituents (e.g. peptone water, nutrient broth).

NOTE 1: In some cases, solid particles are added to the liquid culture medium (e.g. Tarrozzi broth, Cooked Meat broth).

NOTE 2: Liquid media in tubes, flasks or bottles are commonly called "broth".

2.3.2 solid culture medium and semi-solid culture medium: Liquid culture medium containing solidifying materials (e.g. agar-agar, gelatine, etc.) in different concentrations.

NOTE: Due to the world-wide use of culture media solidified with agar-agar, the shortened term "agar" is often used synonymously for solid culture media and therefore in connection with nouns, e.g. "Endo Agar" or "Sabouraud agar" etc..

Solid culture media poured into Petri dishes are commonly called "plates". Solid culture media poured into tubes that are kept in slanted positions while solidifying the media are often called "slants".

2.4 Culture media classified by intent of use

2.4.1 transport medium: Culture medium designed to preserve and maintain the viability of microorganisms for the time period between sample collection and laboratory processing of the sample.

NOTE: Transport media usually contain substances that do not permit multiplication of microorganisms but ensure their preservation (e.g. Stuart's or Amies' transport medium).

2.4.2 preservation medium: Culture medium designed to preserve and maintain the viability of microorganisms over an extended period, to protect them against the adverse influences which may occur during long-term storage and to allow recovery after this period.

2.4.3 resuscitation medium: Culture medium enabling stressed and damaged microorganisms to repair and recover their capacity for normal growth without necessarily promoting their multiplication.

2.4.4 enrichment medium: Predominantly liquid culture medium which, due to its composition, provides particularly favourable conditions for multiplication of microorganisms.

2.4.4.1 selective enrichment medium: Enrichment medium which supports the multiplication of specific microorganisms while inhibiting other microorganisms (e.g. selenite broth).

2.4.4.2 non-selective enrichment medium: Enrichment medium which is not devised to selectively inhibit microorganisms (e.g. nutrient broth).

2.4.5 isolation medium: Solid or semi-solid culture medium which supports growth and/or the formation of colonies of microorganisms.

2.4.5.1 selective isolation medium: Isolation medium which supports growth of specific microorganisms, while inhibiting other microorganisms (e.g. Leifson agar, MacConkey agar).

2.4.5.2 non-selective isolation medium: Isolation medium which is not devised to selectively inhibit microorganisms (e.g. nutrient agar).

2.4.6 differential medium: Culture medium which permits the testing of one or more physiological/biochemical characteristics of the microorganisms for their identification (e.g. Urea medium, Kligler agar).

NOTE: Differential media which can be used as isolation media are referred to as isolation/differential media (e.g. xylose lysine deoxycholate (XLD) agar).

SIST EN 1659:2000

[https://standards.iteh.ai/catalog/standards/sist/bbb1dcf5-42b6-40f9-88b4-](https://standards.iteh.ai/catalog/standards/sist/bbb1dcf5-42b6-40f9-88b4-427269eb4acc/sist-en-1659-2000)

[427269eb4acc/sist-en-1659-2000](https://standards.iteh.ai/catalog/standards/sist/bbb1dcf5-42b6-40f9-88b4-427269eb4acc/sist-en-1659-2000)

2.4.7 Identification medium: Culture medium designed to produce a specific identification reaction which does not require any further confirmatory test.

NOTE: Identification media which can be used as isolation media are referred to as isolation/identification media.

2.4.8 Media with multiple intents of use: Certain culture media may be assigned to several categories, e.g. Blood agar is a resuscitation medium according to 2.4.3, an isolation medium according to 2.4.5 and a differential medium according to 2.4.6 used for detection of haemolysis.

2.5 Culture media classified according to the form of product

2.5.1 dehydrated medium: Culture medium in dry form which is not ready for immediate use (e.g. powders, granules, lyophilized products).

NOTE: Most often, rehydration will make a partially completed medium.

2.5.2 partially completed medium: Culture medium which still requires one or more additional working steps before its intended use (e.g. melting, pouring, portioning, supplementing).

NOTE: In manufacturing terms, these media are often called half-finished or semi-finished.

2.5.3 ready-to-use medium: Culture medium which is supplied in containers in ready-to-use form (e.g. Petri dishes or tubes or other carriers).