

Api 20e Profile Index

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Lab 6.

A total of 223 isolates belonging to motile

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Aeromonas, A. salmonicida, Vibrio anguillarum, Pasteurella piscicida and Yersinia ruckeri species were tested by the API-20E system and the results compared with those obtained with standard biochemical tube and plate tests. Depending on the species, the API-20E yielded false negative and positive reactions for fermentation of different sugars ...

Identification of Enterobacteriaceae the API 20E system Analytical Profile Index (API) Analytical Profile Index or API are commercial miniaturized biochemical

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test panels that cover a significant number of clinically-important groups of bacteria, as well as food- and water-associated microorganisms. API is a classification of bacteria based on experiments, allowing fast identification (rapid ...

(API 20E) Analytical Profile Index System for ... API stands for Analytical Profile Index and is a commercial system to identify different bacteria. One of the API systems is specific for differentiating between members of the Gram negative bacterial Family Enterobacteriaceae and is

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called API-20E.

REF 20 100 / 20 160 D 20 E
IVD - Biomanufacturing
27 820 strains the
identification shown in the
API Profile Register was the
same as that given by the
program. Robertson and
MacLowry (1975) produced a
profile index for the 10S
kit and found that only 4-1% of
37476 isolates were
identified to different taxa
by the 10S index and the API
20E Profile Register.
Materials and methods
ORGANISMS

Analytical Profile Index
(API) & Automated Machines
If the 7 digit profile that

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is tabulated cannot be found in the API 20E Analytical Profile index, what might that indicate about the profile culture?

Contaminated or mixed cultures as well as non-enterobacteria (e.g. oxi/ferm bacteria) may provide "nonsense" profiles that cannot be found.

*API-20E® System -
Microbiology - Food and Drug
Reference*

*interpretation of results
were as described in the API
20E instruction booklet
10-77andthe
1978editionoftheAPI20E
Analytical Profile Index
(API Laboratory Products*

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Ltd). The saline suspension was also inoculated onto plate count agar to test later for oxidase and catalase, and to ensure viability and purity. Incubation of test strips was carried out

API (Analytical Profile Index) 20E Test - Procedure, Uses ...

positive reaction within each group, a 7-digit profile number is obtained for 20 tests of the API 20E strip. The 7-digit profile is then compared with the numerical profile in the API 20 E analytical profile index book to obtain the organism identification.

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API 20E Test System:

Introduction ... -

microbeonline

API (Analytical Profile Index) 20E is a biochemical panel for identification and differentiation of members of the family

Enterobacteriaceae. It is hence a well-established method for manual microorganism identification to the species level.

Objective.

Usefulness of the API-20E system for the identification of ...

Depression in the chamber next to the microtube of the API 20E System. What is a

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*profile index number?
7-digit identification
number for unknown bacteria
in the API 20E System.*

Exercise 40:

Enterobacteriaceae

*Identification: API 20E
System*

*This video was prepared by
the Teaching Support team
for The University of
Western Australia's School
of Pathology and Laboratory
Medicine (PaLM). Credits:
A...*

*Analytical profile index -
Wikipedia*

*API ®. Be the First to Know.
The well-established method
for manual microorganism*

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identification to the species level, bioMérieux's API identification products are test kits for identification of Gram positive and Gram negative bacteria and yeast.

THE API 20E MICROTUBE SYSTEM FOR RAPID IDENTIFICATION OF

...

(API 20E) Analytical Profile Index System for Identification of.

Enterobacteriaceae. 2018 320

MIC AMAL-NORA-ALJAWHARA . 2.

It usually follows from a sequence of : M.

orphological, biochemical, immunological, and genetic techniques. Delineation of the biochemical activities

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*of a microbial isolate is
the most ...*

*Performing an API 20E strip
test*

*An API 20E strip was
inoculated for each isolate
and incubated at 37°C for 24
hr. Positive results were
evaluated for each of the 20
biochemical tests and
diagnosis of Salmonella
deter-mined using the API
20E Analytical Profile Index
(July 1999 edition) or by
calling the API Voice
Response System.*

*API for Microorganism
Identification | bioMérieux
The API-20E test kit for the
identification of enteric*

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bacteria (bioMerieux, Inc., Hazelwood, MO) provides an easy way to inoculate and read tests relevant to members of the Family Enterobacteriaceae and associated organisms. A plastic strip holding twenty mini-test tubes is inoculated with a saline suspension of a pure culture (as per manufacturer's directions).

*Bacterial Identification -
The API-20E System
The most advanced
identification scheme so far
developed for the API 20E
kit (the Analytical Profile
Index and complementary
Computer Service) allowed*

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88% of the 206 strains to be correctly identified, although 2% were incorrectly identified.

Comparison of API 20E and PCR for identification of Salmonella

A seven-digit profile number is generated and one is able to determine the name of the organism by finding the number in a code book. ... Remove an API-20E test strip from the pouch and place on your bench at a 45 ° angle supported by the plastic incubation tray. ... obtain profile number and consult the API-20E Analytical Profile Index for ...

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Quiz 6 - Biology 112 with Ray at Columbia College - StudyBlue

The API 20E system for Enterobacteriaceae, recently broadened to include identification of nonfermentative gram-negative bacteria, was evaluated and ... The Analytical Profile Index and (if necessary) the computer service were consulted for identification of the isolates. Whenin-

*Api 20e Profile Index
API (Analytical Profile Index) 20E presented is a biochemical panel for identification and*

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differentiation of members of the family Enterobacteriaceae. In API 20E for identification of members of the family Enterobacteriaceae, the plastic strip holds twenty mini-test chambers containing dehydrated media having chemically-defined compositions ...

Identification of Enterobacteriaceae by the API 20E system.

api® 20 E 07584D - GB - 2002/10 bioMérieux® sa English - 3 In some cases, the 7-digit profile is not discriminatory enough and the following supplementary tests need to be carried out

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: - Reduction of nitrates to nitrites (NO₂) and N₂ gas (N₂) : add 1 drop each of NIT 1 and NIT 2 reagents to the GLU

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