

Identification system for *Enterobacteriaceae* and other non-fastidious Gram-negative rods

SUMMARY AND EXPLANATION

API 20 E is a standardized identification system for *Enterobacteriaceae* and other non-fastidious, Gram-negative rods which uses 21 miniaturized biochemical tests and a database. The complete list of those organisms that it is possible to identify with this system is given in the Identification Table at the end of this package insert.

PRINCIPLE

The API 20 E strip consists of 20 microtubes containing dehydrated substrates. These tests are inoculated with a bacterial suspension that reconstitutes the media. During incubation, metabolism produces color changes that are either spontaneous or revealed by the addition of reagents.

The reactions are read according to the Reading Table and the identification is obtained by referring to the Analytical Profile Index or using the identification software.

CONTENT OF THE KIT

Kit for 25 tests (ref. 20 100)

- 25 API 20 E strips
- 25 incubation boxes
- 25 result sheets
- 1 clip seal
- 1 package insert

Kit for 100 tests (ref. 20 160)

- 100 API 20 E strips (4x25 strips)
- 100 incubation boxes
- 100 result sheets
- 1 clip seal
- 1 package insert

COMPOSITION OF THE STRIP

The composition of the API 20 E strip is given in the Reading Table of this package insert.

REAGENTS AND MATERIAL REQUIRED BUT NOT PROVIDED

Reagents :

- API NaCl 0.85 % Medium, 5 ml (Ref. 20 230) or API Suspension Medium, 5 ml (Ref. 20 150)
- API 20 E reagent kit (Ref. 20 120) or individual reagents : TDA (Ref. 70 402)
JAMES (Ref. 70 542)
VP 1 + VP 2 (Ref. 70 422)
NIT 1 + NIT 2 (Ref. 70 442)
- Zn reagent (Ref. 70 380)
- Oxidase (Ref. 55 635*)
* reference not sold in certain countries : use an equivalent reagent.
- Mineral oil (Ref. 70 100)
- API 20 E Analytical Profile Index (Ref. 20 190) or identification software (consult bioMérieux)

Material :

- Pipettes or PSipettes
- Ampule protector
- Ampule rack
- General microbiology laboratory equipment

POSSIBLE ADDITIONAL REAGENTS :

- API OF Medium (Ref. 50 110) :
Test for the determination of fermentative or oxidative metabolism.
- API M Medium (Ref. 50 120) :
Test for motility of facultative anaerobic bacteria.

WARNINGS AND PRECAUTIONS

- For *in vitro* diagnostic use and microbiological control.
- For professional use only.
- This kit contains products of animal origin. Certified knowledge of the origin and/or sanitary state of the animals does not totally guarantee the absence of transmissible pathogenic agents. It is therefore recommended that these products be treated as potentially infectious, and handled observing the usual safety precautions (do not ingest or inhale).
- All specimens, microbial cultures and inoculated products should be considered infectious and handled appropriately. Aseptic technique and usual precautions for handling the bacterial group studied should be observed throughout this procedure. Refer to "NCCLS M29-A, Protection of Laboratory Workers from Instrument Biohazards and Infectious Disease Transmitted by Blood, Body Fluids, and Tissue; Approved Guideline - December 1997". For additional handling precautions, refer to "Biosafety in Microbiological and Biomedical Laboratories, HHS Publication No. (CDC) 93-8395, 3rd Edition (May 1993)", or to the regulations currently in use in each country.
- Do not use reagents past the expiration date.
- Before use, check that the packaging of the various components is intact.
- Do not use strips which have been damaged : cupules deformed, desiccant sachet open, ...
- The performance data presented were obtained using the procedure indicated in this package insert. Any change or modification in the procedure may affect the results.
- Interpretation of the test results should be made taking into consideration the patient history, the source of the specimen, colonial and microscopic morphology of the strain and, if necessary, the results of any other tests performed, particularly the antimicrobial susceptibility patterns.

Api 20e Manual

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Api 20e Manual:

Api 20e Manual Book Review: Unveiling the Power of Words

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Api 20e Manual Introduction

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