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API[®]

Reference Guide

PIONEERING DIAGNOSTICS

API[®] REFERENCE GUIDE

INTRODUCTION

A well-established method for microorganism identification to the species level, bioMérieux's API identification products are test kits for identification of Gram-positive and Gram-negative bacteria and yeast.

RELIABLE AND ACCURATE

API strips give accurate identifications based on extensive databases and are standardized, easy-to-use test systems. The kits include strips that contain up to 20 miniature biochemical tests. Set up of the strips is quick, safe and easy to perform.

Economical to run and user-friendly, API strips have a long shelf life, enabling every laboratory to keep the test kits on hand.

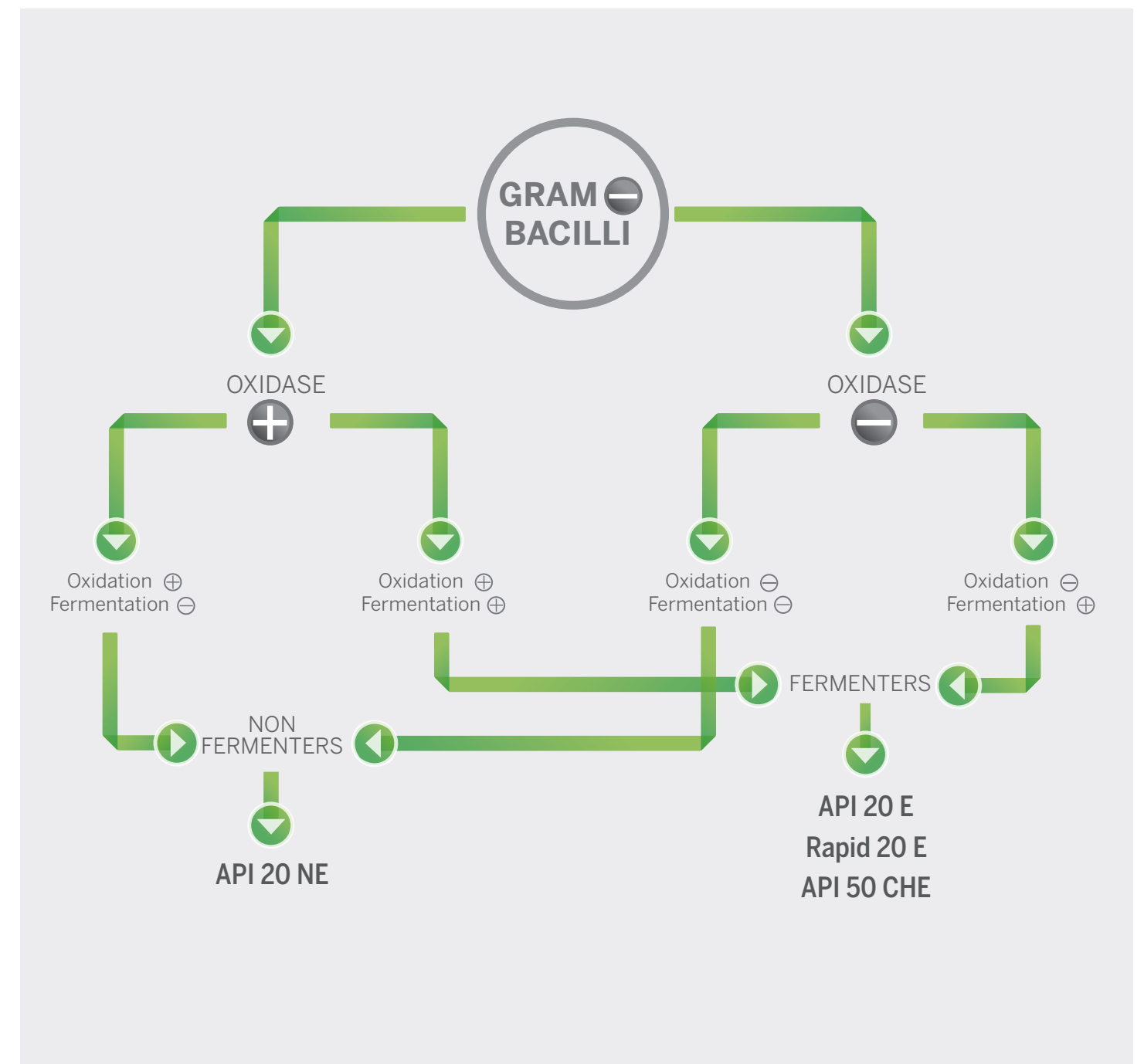
LARGE AND ROBUST INTERNET-BASED DATABASE

APIWEB™ is a user-friendly website containing all of the API databases for a reliable automated interpretation of API strip results.

APIWEB is easy to use – key in the biochemical or numerical profile of the strip to obtain the organism identification. The software provides a detailed report that is displayed on the screen and can be printed.

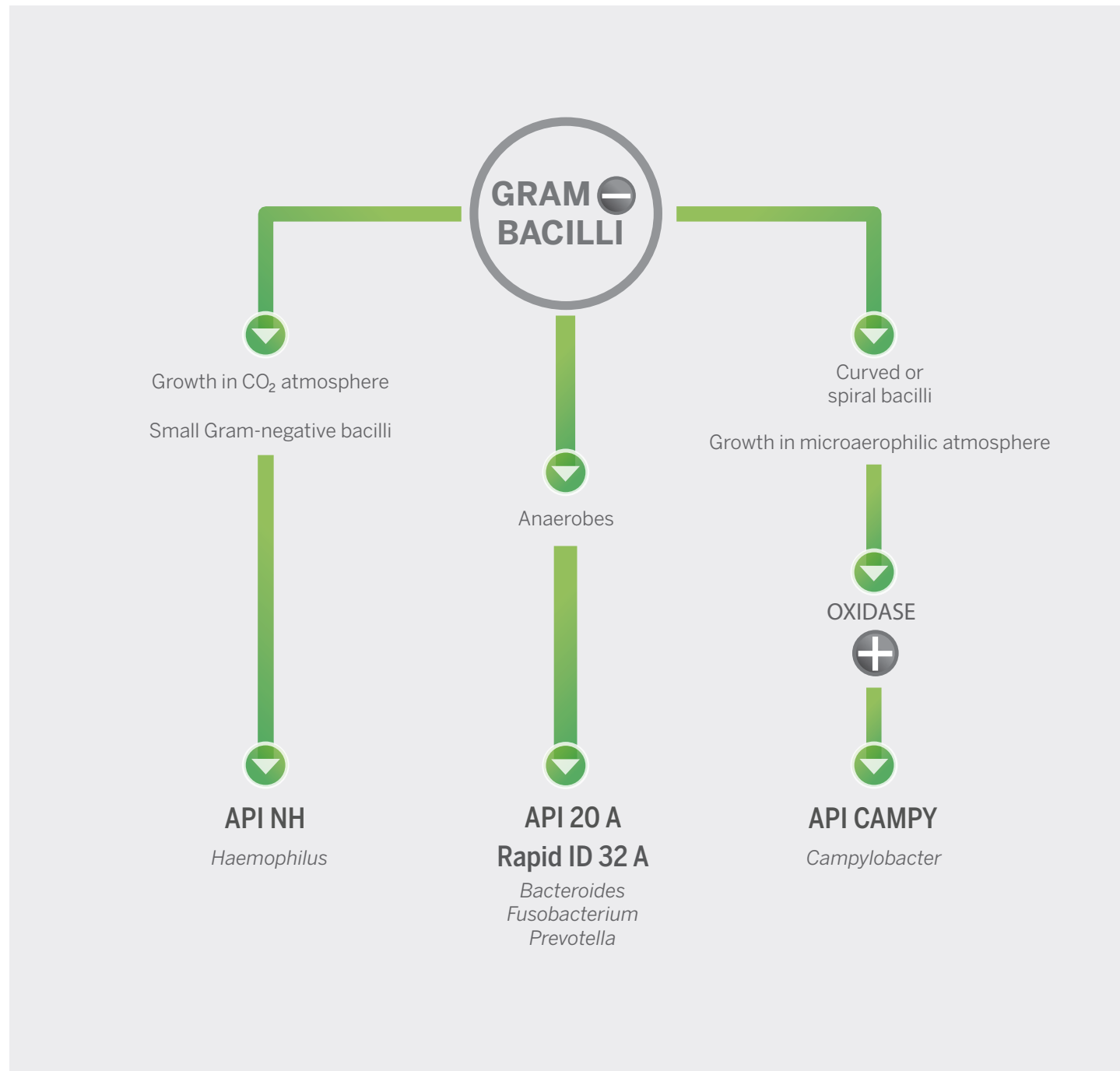


GRAM ⊖ BACILLI

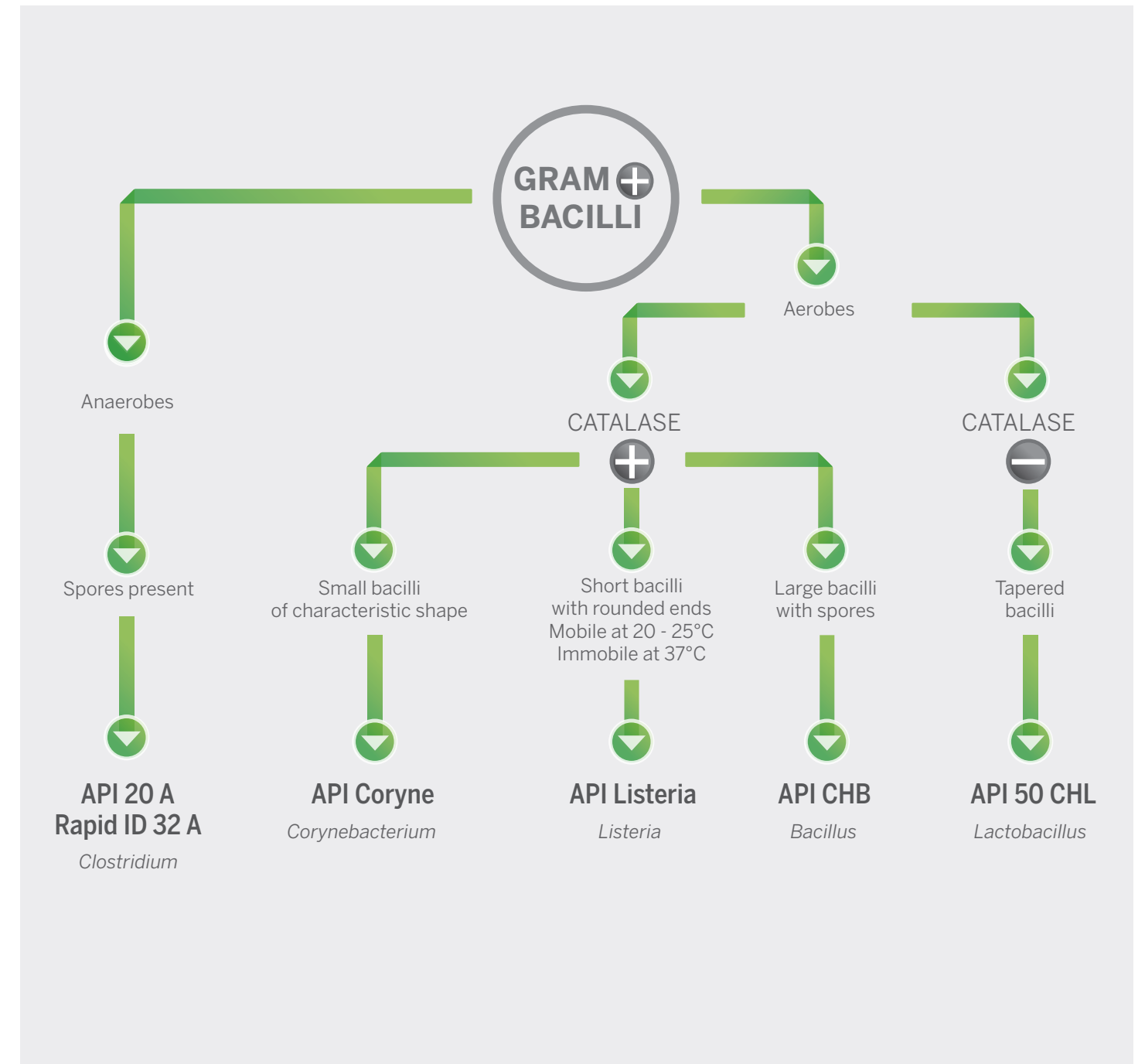


API® REFERENCE GUIDE

OTHER GRAM ⊖ BACILLI

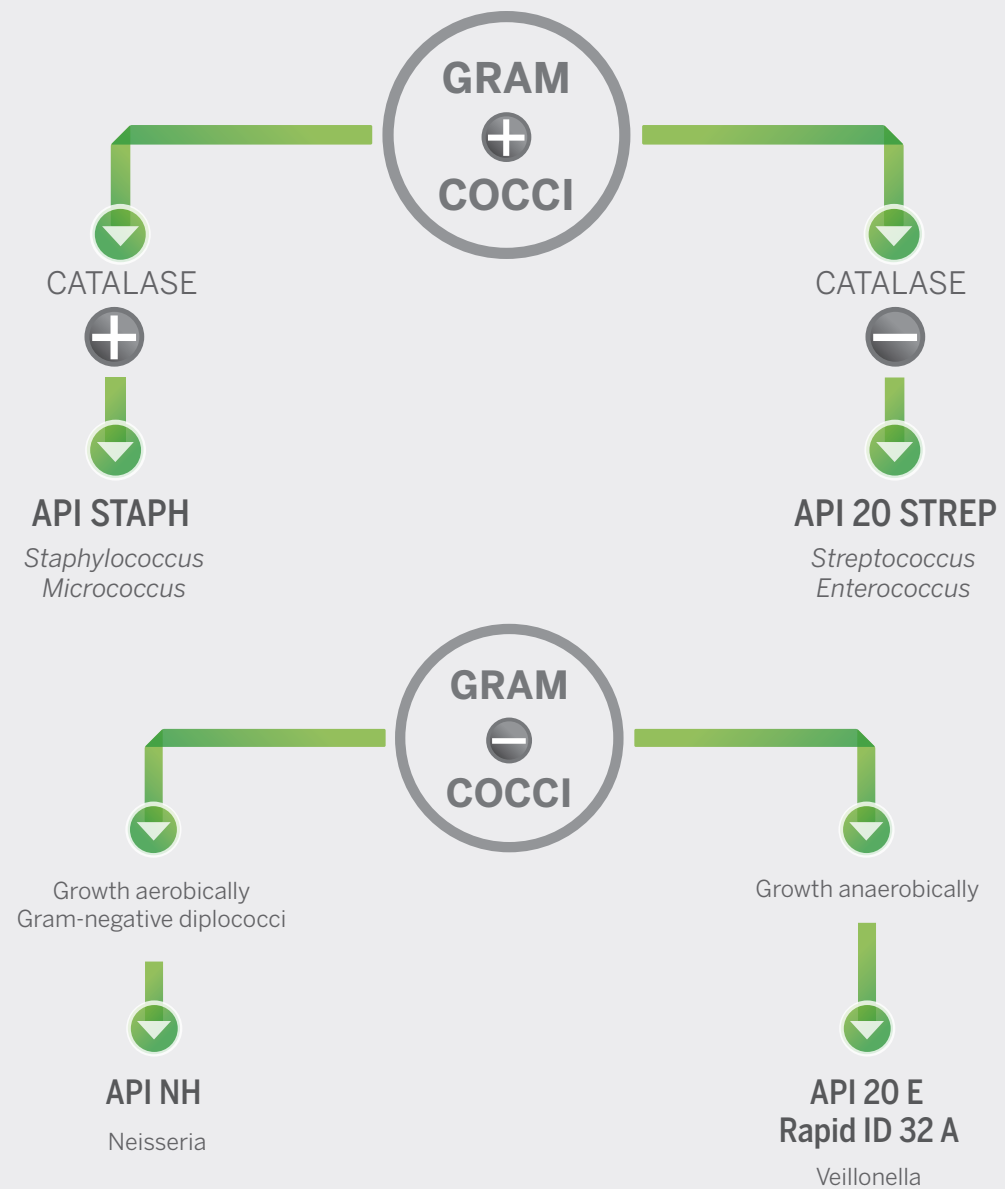


GRAM ⊕ BACILLI

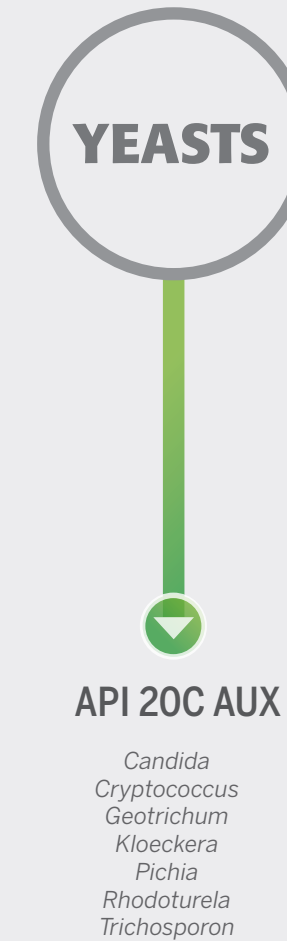


API® REFERENCE GUIDE

COCCI



YEASTS





API® REFERENCE GUIDE

API SPECIES GUIDE

REFERENCE #	PRODUCT NAME	ORGANISM
GRAM NEGATIVE IDENTIFICATION		
20100	API 20 E	Gram-negative bacilli (25 tests)
20160	API 20 E	Gram-negative bacilli (100 tests)
20701	Rapid 20 E™	Enterobacteriaceae
20050	API 20 NE	Non-fastidious, non-enteric Gram-negative bacilli
20800	API Campy	<i>Campylobacter</i>
10400	API NH	<i>Neisseria, Haemophilus</i>
GRAM POSITIVE IDENTIFICATION		
20500	API Staph	Staphylococci
20600	API 20 Strep	Streptococci
20900	API Coryne	Corynebacteria
10300	API Listeria	<i>Listeria</i>
YEASTS		
20210	API 20 C AUX	Yeasts
ANAEROBES		
20300	API 20 A	Anaerobes
32300	Rapid ID 32 A	Anaerobes
OTHER		
50300 50430	API 50 CH API 50 CHB/E Medium	Enterobacteriaceae
50300 50410	API 50 CH API 50 CHL Medium	<i>Lactobacillus</i>
50300 50430	API 50 CH API 50 CHB/E Medium	<i>Bacillus</i>

REAGENTS TO BE ORDERED

REF.	ADDITIONAL REAGENTS	API 20 E													
		20100	20701	20050	20800	10400	20500	20600	20900	10300	20210	20300	32300	50300-50430	50300-50410
70380	Zn (2x10g)	X		X											X
70402	TDA (2x1 ampule)	1/8													1/20
70422	VP 1 VP 2 (2x2 ampules)	1/8	1/8				1/8	1/8							1/20
70442	NIT 1 NIT 2 (2x2 ampules)	1/8		1/8	1/20		1/8		1/20				1/8	1/20	
70494	ZYM A (2x1 ampule)						1/8	1/8	1/20						
70493	ZYM B (2x1 ampule)						1/8	1/8	1/20						
70491	NIN (2 ampules)				1/4			1/4							
70510	BCP (1 ampule)											1/2			
70520	EHR (1 ampule)											1/2			
70530	XYL (2 ampules)											1/8			
70542	James (2x1 ampule)	1/8	1/8	1/8									1/8	1/20	
70562	FB (2x1 ampule)				1/4								1/8		
70492	PYZ (2 ampules)				1/4				1/20	X					
SUSPENSION MEDIUM															
20230	NaCl 0.85% Medium (5 mL)				X									1/10	
20070	NaCl 0.85% Medium (2 mL)		1/4	1/4											
70700	Suspension Medium (2 mL)							1/4		1/4				1/10	1/10
ADDITIONAL PRODUCTS															
50110	API OF Medium			X											
50120	API M Medium			X											
70100	Mineral Oil	X	X	X	X	X	X	X	X			X		X	X
70900	McFarland Standard		X	X		X	X	X		X	X	X		X	X

Recommended quantity of additional reagent(s) for each strip kit ordered (e.g., TDA: Order 1 box of Ref. 70402 TDA reagent for 8 boxes of Ref. 20100 API 20E)

X = additional product required



API® REFERENCE GUIDE

SET-UP OVERVIEW

STRIPS	REF	MICROORGANISMS	SUSPENSION	INOCULUM	TRANSFER	MEDIUM	INCUBATION TIME	TEMP
API 20 E	20100 20160	Enterobacteriaceae and other non-fastidious Gram negative bacilli	5 mL API NaCl 0.85% Medium or 5 mL API Suspension Medium	1 colony	N/A	N/A	18-24h/48h	37°C
Rapid 20 E	20701	Enterobacteriaceae	2 mL API NaCl 0.85% Medium	0.5 McF	N/A	N/A	4h	37°C
API20 NE	20050	Non-fastidious, non-enteric Gram negative rods	2 mL API NaCl 0.85% Medium	0.5 McF	200 µL	API AUX Medium	24h	30°C
API Campy	20800	<i>Campylobacter</i>	3 mL API NaCl 0.85% Medium	6 McF	80-100 µl 150 µl	API AUX Medium	24h	37°C
API NH	10400	<i>Neisseria</i> , <i>Haemophilus</i> and <i>Moraxella catarrhalis</i>	2 mL API NaCl 0.85% Medium	4 McF	N/A	Medium	2h	37°C
API Staph	20500	<i>Staphylococcus</i> , <i>Micrococcus</i> and <i>Kocuria</i>	API Staph Medium	0.5 McF	N/A	Medium	18-24h	37°C
API20 Strep	20600	Streptococci	2 mL API Suspension Medium	4 McF	500 µl	N/A	4h/24h	37°C
API Coryne	20900	Coryneform bacteria	3 mL API Suspension Medium	>6 McF	500 µl	Medium	24h	37°C
API Listeria	10300	<i>Listeria</i>	2 mL API Suspension Medium	1 McF	N/A	API GP	18-24h	37°C
API20 C AUX	20210	Yeasts	2 mL API NaCl 0.85% Medium 2 mL API Suspension Medium	2 McF	100 µl	N/A	48-72h	30°C
API20 A	20300	Anaerobes	4 mL API 20 A Medium	3 McF	N/A	N/A	24h	37°C
Rapid ID 32 A	32300	Anaerobes	3 mL API Suspension Medium	4 McF	N/A	N/A	4h	37°C
API 50 CH API 50 CHB/E	50300 50430	<i>Enterobacteriaceae</i>	5 mL API NaCl 0.85% + API 50 CHB/E Medium	2 McF 2 McF	N/A	Medium	24-48h	37°C
API 50 CH API 50 CHL	50300 50410	<i>Lactobacillus</i>	API 50 CHL Medium	2 McF	N/A	N/A	48h	30/37°C
API 50 CH API 50 CHB/E	50300 50430	<i>Bacillus</i>	5 mL API NaCl 0.85% + API 50 CHB/E Medium	2 McF 2 McF	N/A	API AUX	24-48h 3/6-24h	30°C 55°C

Refer to package inserts for complete instructions.

APIWEB™ – ANYTIME, ANYWHERE

apiweb.biomerieux.com

USER-FRIENDLY

- Internet platform
- Easy-to-use tool, integrated intuitive interface
- Available 7 days a week, 24 hours a day
- Reading assistance for each identification strip

HIGH-PERFORMANCE

APIWEB contains all the regularly updated API databases. Each identification is associated with a complete report:

- species proposed
- comments reflecting the reliability of the identification, selected after the calculation of two indices:
 - the identification percentage (probability of species identification)
 - and the typicity index (typical character of the profile studied)
- complete biochemical profile
- additional information and tests

SECURITY

- Secure site, personalized access codes
- Data encoding ensuring the integrity and confidentiality of your results



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