

# MICRONAUT-IDS

## System for identification of the most important clinically Enterobacteriaceae, Non-Fermenter, Staphylococci, Enterococci and Streptococci

- ▼ Identification via 23 biochemical reactions (peptidases, decarboxylases, glucosidases / esterases, fermentations as well as classic reactions)
- ▼ Result after 5-6 hours of incubation
- ▼ 113 different Taxa included in the database
- ▼ Standardized procedure
- ▼ Optimized, software-controlled reading and interpretation
- ▼ MICRONAUT-IDS plates stored at 15-25 °C have a shelf life of 24 months from date of production,
- ▼ One package contains 100 x 4 tests, and perforated plate sealers



### Taxa list

1. <i>Acinetobacter lwoffii</i>	41. <i>Enterococcus hirae</i>	81. <i>Serratia liquefaciens</i>
2. <i>Acinetobacter species I</i>	42. <i>Enterococcus malodoratus</i>	82. <i>Serratia marcescens</i>
3. <i>Acinetobacter species II</i>	43. <i>Enterococcus mundtii</i>	83. <i>Serratia rubidaea</i>
4. <i>Acinetobacter species III</i>	44. <i>Escherichia coli</i>	84. <i>Shewanella putrefaciens</i>
5. <i>Acinetobacter species V</i>	45. <i>Escherichia coli</i> LDC - / ODC -	85. <i>Shigella sonnei</i>
6. <i>Aeromonas caviae</i>	46. <i>Escherichia coli</i> PYR +	86. <i>Shigella species</i>
7. <i>Aeromonas hydrophila</i>	47. <i>Escherichia vulneris</i>	87. <i>Sphingobacterium multivorum</i>
8. <i>Aeromonas sobria</i>	48. <i>Ewingella americana</i>	88. <i>Sphingobacterium spiritivorum</i>
9. <i>Aeromonas veronii</i>	49. <i>Hafnia alvei</i>	89. <i>Sphingomonas paucimobilis</i>
10. <i>Achromobacter denitrificans</i>	50. <i>Klebsiella oxytoca</i>	90. <i>Staphylococcus arlettae</i>
11. <i>Alcaligenes faecalis</i> subsp. <i>faecalis</i>	51. <i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i>	91. <i>Staphylococcus aureus</i>
12. <i>Bordetella bronchiseptica</i>	52. <i>Kluyvera ascorbata</i>	92. <i>Staphylococcus cohnii</i>
13. <i>Brevundimonas diminuta</i>	53. <i>Kluyvera cryocrescens</i>	93. <i>Staphylococcus epidermidis</i>
14. <i>Brevundimonas vesicularis</i>	54. <i>Leclercia adecarboxylata</i>	94. <i>Staphylococcus gallinarum</i>
15. <i>Burkholderia cepacia</i>	55. <i>Moellerella wisconsinensis</i>	95. <i>Staphylococcus haemolyticus</i>
16. <i>Cedecea davisae</i>	56. <i>Morganella morganii</i>	96. <i>Staphylococcus intermedius</i>
17. <i>Cedecea lapagei</i>	57. <i>Myroides odoratus</i>	97. <i>Staphylococcus lentus</i>
18. <i>Chryseobacterium indologenes</i>	58. <i>Ochrobactrum anthropi</i>	98. <i>Staphylococcus lugdunensis</i>
19. <i>Chryseobacterium meningosepticum</i>	59. <i>Pantoea agglomerans</i>	99. <i>Staphylococcus saprophyticus</i> s. <i>sapro.</i>
20. <i>Citrobacter amalonaticus</i>	60. <i>Plesiomonas shigelloides</i>	100. <i>Staphylococcus schleiferi</i>
21. <i>Citrobacter freundii</i>	61. <i>Proteus mirabilis</i>	101. <i>Staphylococcus sciuri</i>
22. <i>Citrobacter koseri</i>	62. <i>Proteus vulgaris</i>	102. <i>Staphylococcus simulans</i>
23. <i>Citrobacter species 1</i>	63. <i>Providencia alcalifaciens</i>	103. <i>Staphylococcus xylosus</i>
24. <i>Citrobacter species 2</i>	64. <i>Providencia rettgeri</i>	104. <i>Stenotrophomonas maltophilia</i>
25. <i>Comamonas testosteroni</i>	65. <i>Providencia stuartii</i>	105. <i>Streptococcus agalactiae</i>
26. <i>Delftia acidovorans</i>	66. <i>Pseudomonas aeruginosa</i>	106. <i>Streptococcus bovis</i>
27. <i>Edwardsiella tarda</i>	67. <i>Pseudomonas alcaligenes</i>	107. <i>Streptococcus pneumoniae</i>
28. <i>Empedobacter brevis</i>	68. <i>Pseudomonas fluorescens</i>	108. <i>Streptococcus pyogenes</i>
29. <i>Enterobacter aerogenes</i>	69. <i>Pseudomonas luteola</i>	109. <i>Vibrio alginolyticus</i>
30. <i>Enterobacter cloacae</i>	70. <i>Pseudomonas mendocina</i>	110. <i>Vibrio metschnikovii</i>
31. <i>Enterobacter gergoviae</i>	71. <i>Pseudomonas putida</i>	111. <i>Vibrio parahaemolyticus</i>
32. <i>Enterobacter sakazakii</i>	72. <i>Pseudomonas stutzeri</i>	112. <i>Yersinia enterocolitica</i>
33. <i>Enterococcus avium</i>	73. <i>Pseudomonas oryzae</i> habitans	113. <i>Yersinia pseudotuberculosis</i>
34. <i>Enterococcus casseliflavus</i>	74. <i>Rahnella aquatilis</i>	
35. <i>Enterococcus durans</i>	75. <i>Ralstonia pickettii</i>	
36. <i>Enterococcus faecalis</i>	76. <i>Rhizobium radiobacter</i>	
37. <i>Enterococcus faecium 1</i>	77. <i>Salmonella choleraesuis</i> subsp. <i>arizonae</i>	
38. <i>Enterococcus faecium 2</i>	78. <i>Salmonella paratyphi A</i>	
39. <i>Enterococcus flavescens</i>	79. <i>Salmonella species</i>	
40. <i>Enterococcus gallinarum</i>	80. <i>Salmonella typhi</i>	

## MICRONAUT-IDS short instruction

### preparation of the samples

MCN Software enter „I“

gram-negative, gram-positive bacteria  
from blood agar without additives

### preparation of the inoculum

McFarland 2 in 5 ml NaCl

### inoculation

transfer suspension into a  
4 channel reservoir

100 µl in each well of the test

add two drops of paraffin oil

### sealing and incubation

„MICRONAUT“ plate sealer

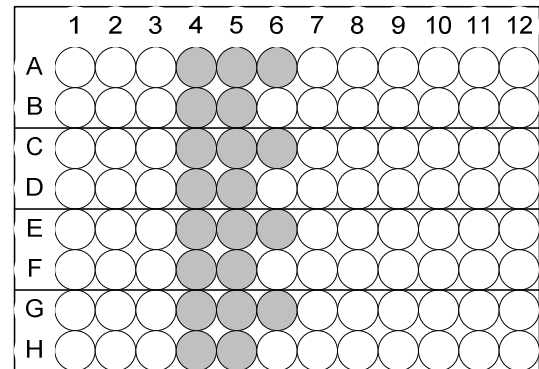
incubation 5-6h at 35-37°C

### reading

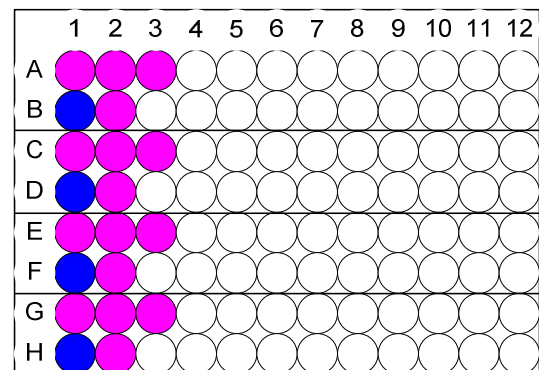
add two drops of peptidase and indole  
reagent

wait approx. 5 minutes before reading

### MICRONAUT-IDS 4 test/ plate



● Paraffin oil  
A4-6 + B4-5, C4-6 + D4-5,  
E4-6 + F4-5, G4-6 + H4-5



● Peptidase reagent  
A1-3 + B2, C1-3 + D 2,  
E1-3 + F2, G1-3 + H2

● Indole reagent  
B1, D1, F1, H1