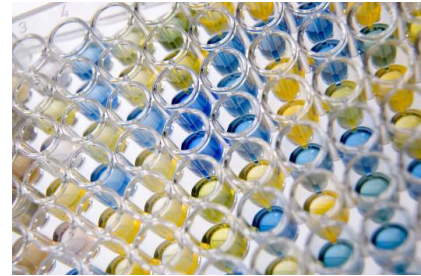


MICRONAUT-E

System for identification of Enterobacteriaceae and other Gram-Negative Bacteria

- ▼ Identification via 21 biochemical reactions (chromogene substrates, decarboxylases, classical reactions and fermentations)
- ▼ Result after 24 hours of incubation
- ▼ 69 different Taxa included in the database
- ▼ Standardized procedure
- ▼ Optimized software-controlled reading and interpretation
- ▼ MICRONAUT-E plates stored at 15-25 °C have a shelf life of 24 months from date of production
- ▼ One package contains 100 x 4 tests, inclusive perforated plate sealers



Taxa list

1. <i>Acinetobacter lwoffii</i>	25. <i>Raoultella ornithinolytica</i>	48. <i>Salmonella choleraesuis</i> subsp. <i>arizonae</i>
2. <i>Acinetobacter species</i>	26. <i>Klebsiella oxytoca</i>	49. <i>Salmonella choleraesuis</i> subsp. <i>choleraesuis</i>
3. <i>Aeromonas hydrophila</i>	27. <i>Klebsiella pneumoniae</i> s. <i>ozaenae</i>	50. <i>Salmonella paratyphi</i> A
4. <i>Cedecea davisae</i>	28. <i>Klebsiella pneumoniae</i> s. <i>pneumoniae</i>	51. <i>Salmonella pullorum</i>
5. <i>Cedecea lapagei</i>	29. <i>Klebsiella pneumoniae</i> s. <i>rhinoscleromatis</i>	52. <i>Salmonella species</i>
6. <i>Citrobacter amalonaticus</i>	30. <i>Kluyvera ascorbata</i>	53. <i>Salmonella typhi</i>
7. <i>Citrobacter freundii</i>	31. <i>Kluyvera cryocrescens</i>	54. <i>Serratia ficaria</i>
8. <i>Citrobacter koseri</i>	32. <i>Leclercia adecarboxylata</i>	55. <i>Serratia liquefaciens</i>
9. <i>Edwardsiella hoshinae</i>	33. <i>Moellerella wisconsensis</i>	56. <i>Serratia marcescens</i>
10. <i>Edwardsiella tarda</i>	34. <i>Morganella morgani</i>	57. <i>Serratia odorifera</i>
11. <i>Enterobacter aerogenes</i>	35. <i>Morganella morgani</i> LDC+	58. <i>Serratia plymuthica</i>
12. <i>Enterobacter cancerogenus</i>	36. <i>Pantoea agglomerans</i> IND +	59. <i>Serratia rubidaea</i>
13. <i>Enterobacter cloacae</i>	37. <i>Pantoea agglomerans</i> IND -	60. <i>Shigella sonnei</i>
14. <i>Enterobacter gergoviae</i>	38. <i>Plesiomonas shigelloides</i>	61. <i>Shigella sonnei</i> PGUR-
15. <i>Enterobacter sakazakii</i>	39. <i>Proteus mirabilis</i>	62. <i>Shigella species</i>
16. <i>Escherichia coli</i>	40. <i>Proteus penneri</i>	63. <i>Stenotrophomonas maltophilia</i>
17. <i>Escherichia coli</i> H ₂ S +	41. <i>Proteus vulgaris</i>	64. <i>Yersinia enterocolitica</i>
18. <i>Escherichia coli</i> LDC-/ODC-	42. <i>Providencia alcalifaciens</i>	65. <i>Yersinia frederiksenii</i>
19. <i>Escherichia coli</i> ONPG –	43. <i>Providencia rettgeri</i>	66. <i>Yersinia intermedia</i>
20. <i>Escherichia fergusonii</i>	44. <i>Providencia rustigianii</i>	67. <i>Yersinia kristensenii</i>
21. <i>Escherichia hermannii</i>	45. <i>Providencia stuartii</i>	68. <i>Yersinia pseudotuberculosis</i>
22. <i>Escherichia vulneris</i>	46. <i>Providencia stuartii</i> URE+	69. <i>Yersinia ruckeri</i>
23. <i>Ewingella americana</i>	47. <i>Rahnella aquatilis</i>	
24. <i>Hafnia alvei</i>		

MICRONAUT-E short instruction

preparation of the samples

MCN Software enter „E“

gram-negative, oxidase-negative bacteria
from MacConkey or blood agar

preparation of the inoculum

McFarland 0.5 in 5 ml NaCl

inoculation

transfer suspension into a
4 channel reservoir

100 µl in each well of the test

Zugabe von 2 Tropfen Paraffinöl/
add two drops of paraffin oil

sealing and incubation

„MICRONAUT“ plate sealer (perforated)

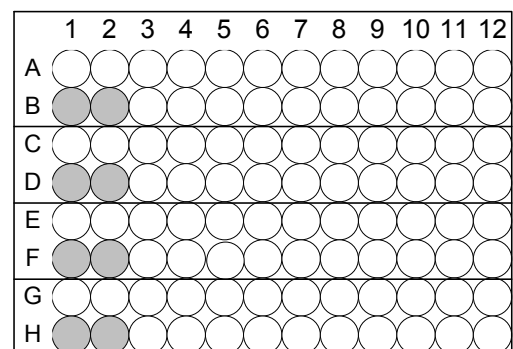
incubation 18-24 h at 35-37°C

reading

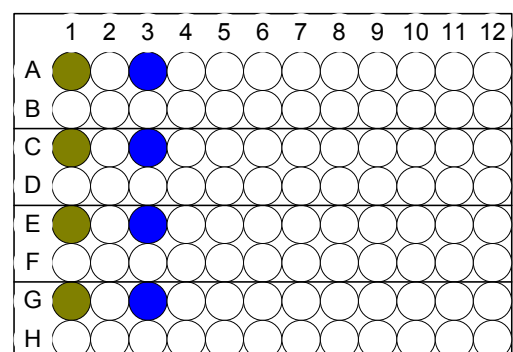
add two drops of TDA and indole reagent

wait approx. 3 minutes before reading

MICRONAUT-E 4 test/ plate



● paraffin oil
B1+2, D1+2, F1+2, H1+2



● TDA reagent
A1, C1, E1, G1

● Indol reagent
A3, C3, E3, G3