

MICRONAUT-RPO

System for identification of Staphylococci, Streptococci, Corynebacteria, Listeria, Bacilli and other Gram-Positive Bacteria

- ▼ Identification via 44 biochemical reactions (chromogene substrate, decarboxylases, classical reactions and fermentations)
- ▼ Results after 22-24 hours
- ▼ 167 different taxa included in the database
- ▼ Standardized procedure
- ▼ Optimized, software-controlled reading and interpretation, incl. expert system
- ▼ MICRONAUT-RPO plates, stored at 15-25 °C, have a shelf life of 24 months from date of production
- ▼ One package contains 40 x 2 tests, 1l NaCl, and perforated plate sealers



MICRONAUT-RPO short instruction

preparation of the samples

MCN Software enter „P“

aerobe gram-positive bacteria
from blood agar

preparation of the inoculum

McFarland 2 in 6 ml NaCl

inoculation

transfer suspension into a
2 channel reservoir

100 µl in each well of the test

add two drops of paraffin oil

sealing and incubation

„MICRONAUT“ plate sealer

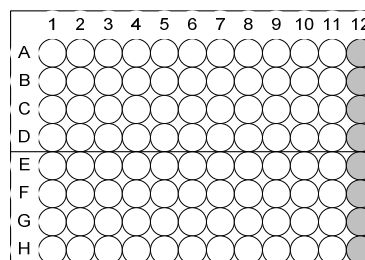
incubation 22-24 h at 35-37°C

reading

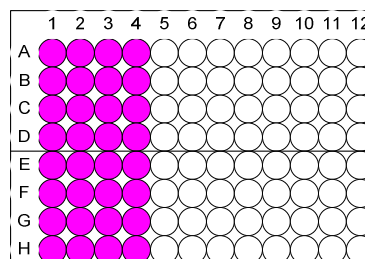
add two drops of peptidase reagent

wait approx. 5 minutes before reading

MICRONAUT-RPO 2 test/ plate



● Paraffin oil
A-D12, E-H12



● Peptidase reagent
A1-4 + B1-4 + C1-4 + D1-4,
E1-4 + F1-4 + G1-4 + H1-4

Taxa list

| | | |
|---|--|--|
| 1. <i>Actinomyces europaeus</i> | 61. <i>Corynebacterium glutamicum</i> | 121. <i>Staphylococcus capitis</i> sub. <i>ureolyticus</i> |
| 2. <i>Actinomyces neuii</i> | 62. <i>Corynebacterium jeikeium</i> | 122. <i>Staphylococcus chromogenes</i> |
| 3. <i>Actinomyces radingae</i> | 63. <i>Corynebacterium kutscheri</i> | 123. <i>Staphylococcus cohnii</i> Biotyp 1 |
| 4. <i>Actinomyces turicensis</i> | 64. <i>Corynebacterium macginleyi</i> | 124. <i>Staphylococcus cohnii</i> Biotyp 2 |
| 5. <i>Aerococcus viridans</i> | 65. <i>Corynebacterium matruchotii</i> | 125. <i>Staphylococcus epidermidis</i> |
| 6. <i>Arcanobacterium bernardiae</i> | 66. <i>Corynebacterium minutissimum</i> | 126. <i>Staphylococcus gallinarum</i> |
| 7. <i>Arcanobacterium haemolyticum</i> | 67. <i>Corynebacterium mucifaciens</i> | 127. <i>Staphylococcus haemolyticus</i> |
| 8. <i>Arcanobacterium pyogenes</i> | 68. <i>Corynebacterium propinquum</i> | 128. <i>Staphylococcus hominis</i> |
| 9. <i>Arthrobacter agilis</i> | 69. <i>Corynebacterium pseudodiphtheriticum</i> | 129. <i>Staphylococcus hyicus</i> |
| 10. <i>Arthrobacter cumminsii</i> | 70. <i>Corynebacterium pseudotuberculosis</i> | 130. <i>Staphylococcus kloosii</i> |
| 11. <i>Arthrobacter speziei</i> I | 71. <i>Corynebacterium renale</i> | 131. <i>Staphylococcus lentus</i> |
| 12. <i>Arthrobacter speziei</i> II | 72. <i>Corynebacterium riegliei</i> | 132. <i>Staphylococcus lugdunensis</i> |
| 13. <i>Aureobacterium speziei</i> I | 73. <i>Corynebacterium striatum</i> | 133. <i>Staphylococcus saprophyticus</i> sub. <i>saprophyticus</i> |
| 14. <i>Aureobacterium speziei</i> II | 74. <i>Corynebacterium ulcerans</i> | 134. <i>Staphylococcus schleiferi</i> |
| 15. <i>Bacillus cereus</i> | 75. <i>Corynebacterium urealyticum</i> | 135. <i>Staphylococcus sciuri</i> |
| 16. <i>Bacillus circulans</i> I | 76. <i>Corynebacterium xerosis</i> | 136. <i>Staphylococcus simulans</i> |
| 17. <i>Bacillus circulans</i> II | 77. <i>Dermabacter hominis</i> | 137. <i>Staphylococcus warneri</i> |
| 18. <i>Bacillus coagulans</i> I | 78. <i>Dermacoccus nishiomiyaensis</i> * | 138. <i>Staphylococcus xylosus</i> |
| 19. <i>Bacillus coagulans</i> II | 79. <i>Enterococcus avium</i> | 139. <i>Stomatococcus speziei</i> |
| 20. <i>Bacillus coagulans</i> III | 80. <i>Enterococcus casseliflavus</i> | 140. <i>Streptococcus agalactiae</i> |
| 21. <i>Bacillus coagulans</i> IV | 81. <i>Enterococcus durans</i> | 141. <i>Streptococcus anginosus</i> |
| 22. <i>Bacillus coagulans</i> V | 82. <i>Enterococcus faecalis</i> | 142. <i>Streptococcus bovis</i> Biotyp 1 |
| 23. <i>Bacillus firmus</i> I | 83. <i>Enterococcus faecium</i> | 143. <i>Streptococcus bovis</i> Biotyp 2 |
| 24. <i>Bacillus firmus</i> II | 84. <i>Enterococcus flavescens</i> | 144. <i>Streptococcus bovis</i> Biotyp 3 |
| 25. <i>Bacillus lentus</i> | 85. <i>Enterococcus gallinarum</i> | 145. <i>Streptococcus constellatus</i> |
| 26. <i>Bacillus licheniformis</i> | 86. <i>Enterococcus hirae</i> | 146. <i>Streptococcus dysgalactiae</i> sub. <i>dsygalactiae</i> |
| 27. <i>Bacillus megaterium</i> | 87. <i>Enterococcus malodoratus</i> | 147. <i>Streptococcus dysgalactiae</i> sub. <i>equisimilis</i> |
| 28. <i>Virgibacillus pantothenicus</i> | 88. <i>Enterococcus mundtii</i> | 148. <i>Streptococcus equi</i> sub. <i>zooepidemicus</i> |
| 29. <i>Bacillus pumilus</i> | 89. <i>Enterococcus raffinosus</i> | 149. <i>Streptococcus equi</i> sub. <i>equi</i> |
| 30. <i>Bacillus sphaericus</i> I | 90. <i>Enterococcus saccharolyticus</i> | 150. <i>Streptococcus equinus</i> |
| 31. <i>Bacillus sphaericus</i> II | 91. <i>Erysipelothrix rhusiopathiae</i> | 151. <i>Streptococcus intermedius</i> |
| 32. <i>Bacillus sphaericus</i> III | 92. <i>Exiguobacterium acetylicum</i> | 152. <i>Streptococcus mitis/sanguinis</i> Biotyp 1 |
| 33. <i>Bacillus subtilis</i> | 93. <i>Gardnerella species</i> | 153. <i>Streptococcus mitis/sanguinis</i> Biotyp 2 |
| 34. <i>Paenibacillus thiaminolyticus</i> | 94. <i>Kocuria kristinae</i> * | 154. <i>Streptococcus mutans</i> |
| 35. <i>Brevibacillus brevis</i> | 95. <i>Kocuria rosea</i> * | 155. <i>Streptococcus oralis</i> |
| 36. <i>Brevibacillus laterosporus</i> | 96. <i>Kocuria varians</i> Biotyp 1 * | 156. <i>Streptococcus pneumoniae</i> I |
| 37. <i>Brevibacillus parabrevis</i> | 97. <i>Kocuria varians</i> Biotyp 2 * | 157. <i>Streptococcus pneumoniae</i> II |
| 38. <i>Brevibacterium casei</i> | 98. <i>Kytococcus sedentarius</i> * | 158. <i>Streptococcus pyogenes</i> |
| 39. <i>Brevibacterium epidermidis</i> | 99. <i>Listeria innocua</i> | 159. <i>Streptococcus salivarius</i> |
| 40. <i>Brevibacterium mcbrellneri</i> | 100. <i>Listeria ivanovii</i> | 160. <i>Streptococcus sanguinis</i> |
| 41. <i>Brevibacterium otitidis</i> | 101. <i>Listeria monocytogenes</i> TAG - | 161. <i>Streptococcus suis</i> |
| 42. <i>Cellulomonas fimi</i> | 102. <i>Listeria monocytogenes</i> TAG + | 162. <i>Streptococcus uberis</i> |
| 43. <i>Cellulomonas speziei</i> I | 103. <i>Listeria seeligeri</i> | 163. <i>Tsukamurella inchonensis</i> |
| 44. <i>Cellulomonas speziei</i> II | 104. <i>Listeria welshimeri</i> | 164. <i>Tsukamurella paurometabola</i> |
| 45. <i>Cellulomonas speziei</i> III | 105. <i>Microbacterium speziei</i> I | 165. <i>Tsukamurella pulmonis</i> |
| 46. <i>Corynebacterium accolens</i> | 106. <i>Microbacterium speziei</i> II | 166. <i>Tsukamurella tyrosinosolvans</i> |
| 47. <i>Corynebacterium aferment</i> sub. <i>aferm.</i> | 107. <i>Micrococcus luteus</i> | 167. <i>Turicella otitidis</i> |
| 48. <i>Corynebacterium aferment</i> sub. <i>lipophil.</i> | 108. <i>Oerskovia turbata</i> | |
| 49. <i>Corynebacterium amycolatum</i> | 109. <i>Cellulosimicrobium cellulans</i> | |
| 50. <i>Leifsonia aquatica</i> | 110. <i>Paenibacillus alvei</i> | |
| 51. <i>Corynebacterium argentoratense</i> | 111. <i>Paenibacillus macerans</i> I | |
| 52. <i>Corynebacterium auris</i> | 112. <i>Paenibacillus macerans</i> II | |
| 53. <i>Corynebacterium CDC group F1</i> | 113. <i>Paenibacillus macerans</i> III | |
| 54. <i>Corynebacterium CDC group G</i> | 114. <i>Paenibacillus polymyxa</i> | |
| 55. <i>Corynebacterium confusum</i> | 115. <i>Rothia dentocariosa</i> I | |
| 56. <i>Corynebacterium coyleae</i> | 116. <i>Rothia dentocariosa</i> II | |
| 57. <i>Corynebacterium diphtheriae</i> | 117. <i>Staphylococcus arlettae</i> | |
| 58. <i>Corynebacterium durum</i> | 118. <i>Staphylococcus aureus</i> | |
| 59. <i>Corynebacterium falsenii</i> | 119. <i>Staphylococcus auricularis</i> | |
| 60. <i>Corynebacterium glucuronolyticum</i> | 120. <i>Staphylococcus capitis</i> sub. <i>capitis</i> | |

* previously *Micrococcus*