BACTERIAL PLATE COUNT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SAMPLES | 10-1 | 10-2 | 10-3 | 10-4 |
| S1 | 92 | 50 | 11 | 0 |
| S2 | TNTC | TNTC | 263 | 10 |
| S3 | 155 | 133 | 113 | 4 |
| S4 | 144 | 80 | 67 | 16 |
| S5 | TNTC | 249 | 67 | 10 |
| S6 | 32 | 5 | 2 | TNTC |
| S7 | TNTC | 123 | 83 | TNTC |
| S8 | 57 | 31 | 6 | TNTC |
| S9 | 201 | TNTC | 161 | 155 |
| S10 | TNTC | 221 | 124 | TNTC |
| S11 | 27 | 225 | 166 | TNTC |
| S12 | 205 | TNTC | TNTC | TNTC |
| S13 | 10 | 0 | 31 | 3 |
| S14 | TNTC | 189 | 201 | TNTC |
| S15 | 219 | 139 | TNTC | TNTC |
| S16 | 3 | TNTC | TNTC | TNTC |
| S17 | TNTC | 80 | 69 | 5 |
| S18 | TNTC | 220 | 120 | 86 |
| S19 | 191 | 112 | 68 | 25 |
| S20 | TNTC | 83 | 34 | 8 |
| S21 | TNTC | 127 | 67 | 10 |
| S22 | 182 | 40 | 59 | TNTC |
| S23 | 20 | 58 | 11 | 0 |
| S24 | 98 | 33 | TNTC | 122 |
| S25 | 43 | 4 | 65 | 21 |
| S26 | TNTC | TNTC | 123 | 77 |
| S27 | 62 | 150 | 13 | 6 |
| S28 | 12 | 76 | 0 | 85 |
| S29 | 111 | TNTC | 58 | TNTC |
| S30 | 88 | 24 | 49 | 17 |

BIOCHEMICAL TEST RESULTS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SAMPLE | GRAM STAIN RESULTS | CATALASE TEST | CITRATE TEST | METHYL-RED TEST | INDOLE TEST |
| S1 CIRCULAR | *Staphylococcus sp.* | + | + | - | + |
| S2 CIRCULAR | *Staphylococcus sp.* | + | + | + | - |
| S2 RHIZOID | *Bacillus sp.* | + | + | - | - |
| S3 CIRCULAR | *Streptococcus sp.* | + | + | + | + |
| S3 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S3 RHIZOID | *Staphylococcus sp.* | + | + | + | + |
| S4 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S4 CIRCULAR | *Streptococcus sp.* | + | + | + | - |
| S4 RHIZOID | *Staphylococcus sp.* | + | + | - | + |
| S5 CIRCULAR | *Staphylococcus sp.* | + | + | - | + |
| S5 FILAMENTOUS | *Streptococcus sp.* | + | + | + | - |
| S6 CIRCULAR | *Staphylococcus sp.* | + | + | + | - |
| S6 IRREGULAR | *Staphylococcus sp.* | + | + | + | + |
| S7 CIRCULAR | *Streptococcus sp.* | + | + | + | - |
| S8 IRREGULAR | *Bacillus sp.* | + | + | - | - |
| S8 CIRCULAR | *Staphylococcus sp.* | + | + | + | + |
| S9 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S9 CIRCULAR | *Staphylococcus sp.* | + | + | + | - |
| S9 IRREGULAR | *Staphylococcus sp.* | + | + | + | + |
| S10 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S10 CIRCULAR | *Staphylococcus sp.* | + | + | + | - |
| S11 IRREGULAR | *Streptococcus sp.* | + | + | + | - |
| S11 CIRCULAR | *Staphylococcus sp.* | + | + | - | - |
| S12 CIRCULAR | *Staphylococcus sp.* | + | + | + | + |
| S12 RHIZOID | *Bacillus sp.* | + | + | - | - |
| S13 CIRCULAR | *Staphylococcus sp.* | + | + | - | - |
| S13 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S14 CIRCULAR | *Staphylococcus sp.* | + | + | + | - |
| S14 FILAMENTOUS | *Streptococcus sp.* | + | + | + | + |
| S15 IRREGULAR | *Staphylococcus sp.* | + | + | - | - |
| S16 CIRCULAR | *Staphylococcus sp.* | + | + | - | + |
| S16 FILAMENTOUS | *Staphylococcus sp.* | + | + | + | + |
| S16 RHIZOID | *Staphylococcus sp.* | + | + | + | + |
| S17 CIRCULAR | *Streptococcus sp.* | + | + | - | + |
| S17 IRREGULAR | *Staphylococcus sp.* | + | + | + | - |
| S17 RHIZOID | *Bacillus sp.* | + | + | - | - |
| S18 FILAMENTOUS | *Bacillus sp.* | + | + | + | + |
| S18 CIRCULAR | *Staphylococcus sp.* | + | + | - | - |
| S19 RHIZOID | *Staphylococcus sp.* | + | + | + | + |
| S19 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S19 CIRCULAR | *Streptococcus sp.* | + | + | + | - |
| S20 CIRCULAR | *Staphylococcus sp* | + | + | - | + |
| S20 IRREGULAR | *Streptococcus sp.* | + | + | + | - |
| S21 CIRCULAR | *Staphylococcus sp* | + | + | - | + |
| S21 FILAMENTOUS | *Bacillus sp.* | + | + | + | + |
| S22 IRREGULAR | *Staphylococcus sp* | + | + | + | - |
| S22 CIRCULAR | *Staphylococcus sp* | + | + | - | + |
| S23 FILAMENTOUS | *Bacillus sp.* | + | + | + | - |
| S23 CIRCULAR | *Streptococcus sp.* | + | + | + | - |
| S24 IRREGULAR | *Streptococcus sp.* | + | + | + | + |
| S24 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S25 CIRCULAR | *Staphylococcus sp.* | + | + | - | + |
| S25 IRREGULAR | *Streptococcus sp.* | + | + | + | + |
| S25 FILAMENTOUS | *Bacillus sp.* | + | + | - | - |
| S26 CIRCULAR | *Staphylococcus sp.* | + | + | + | + |
| S26 IRREGULAR | *Staphylococcus sp.* | + | + | - | + |
| S27 RHIZOID | *Bacillus sp.* | + | + | - | - |
| S27 CIRCULAR | *Streptococcus sp.* | + | + | - | - |
| S28 FILAMENTOUS | *Bacillus sp.* | + | + | + | - |
| S28 RHIZOID | *Staphylococcus sp.* | + | + | + | + |
| S29 CIRCULAR | *Staphylococcus sp.* | + | + | - | + |
| S29 FILAMENTOUS | *Staphylococcus sp* | + | + | - | + |
| S30 CIRCULAR | *Staphylococcus sp* | + | + | + | + |
| S30 IRREGULAR | *Staphylococcus sp* | + | + | + | + |

FUNGAL IDENTIFICATION RESULTS

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SAMPLE/ PLATE | 1. niger | 1. fugamitus | 1. flavus | Penicillin sp. | Curvularia sp. | Rhodototula sp. | Yeast | A.terreus |
| S1 10-1 | 1 | 97 | 0 | 0 | 0 | 0 | 0 | 0 |
| S1 10-2 | 3 | 64 | 0 | 0 | 0 | 0 | 0 | 0 |
| S1 10-3 | 2 | 31 | 0 | 0 | 0 | 0 | 0 | 0 |
| S1 10-4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| S2 10-1 | 0 | 250 | 0 | 0 | 0 | 0 | 0 | 0 |
| S2 10-2 | 0 | 230 | 0 | 0 | 0 | 0 | 0 | 0 |
| S2 10-3 | 0 | 193 | 0 | 0 | 0 | 0 | 0 | 0 |
| S2 10-4 | 0 | 151 | 0 | 0 | 0 | 0 | 0 | 0 |
| S3 10-1 | 0 | 190 | 0 | 0 | 0 | 0 | 0 | 0 |
| S3 10-2 | 0 | 39 | 0 | 19 | 0 | 0 | 0 | 0 |
| S3 10-3 | 0 | 35 | 0 | 12 | 0 | 0 | 0 | 0 |
| S3 10-4 | 0 | 6 | 0 | 2 | 0 | 0 | 0 | 0 |
| S4 10-1 | 0 | 292 | 0 | 0 | 0 | 0 | 0 | 0 |
| S4 10-2 | 0 | 254 | 0 | 0 | 0 | 0 | 0 | 0 |
| S4 10-3 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 0 |
| S4 10-4 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 |
| S5 10-1 | 3 | 11 | 0 | 0 | 0 | 0 | 0 | 0 |
| S5 10-2 | 1 | 3 | 0 | 2 | 0 | 0 | 0 | 0 |
| S5 10-3 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| S5 10-4 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 |
| S6 10-1 | 1 | 282 | 0 | 1 | 0 | 0 | 0 | 0 |
| S6 10-2 | 0 | 42 | 0 | 1 | 0 | 0 | 0 | 0 |
| S6 10-3 | 0 | 5 | 0 | 0 | 0 | 1 | 0 | 0 |
| S6 10-4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| S7 10-1 | 29 | 294 | 0 | 0 | 0 | 0 | 0 | 0 |
| S7 10-2 | 2 | 270 | 0 | 0 | 0 | 0 | 0 | 0 |
| S7 10-3 | 17 | 194 | 0 | 0 | 0 | 0 | 0 | 0 |
| S7 10-4 | 34 | 154 | 0 | 0 | 0 | 0 | 0 | 0 |
| S8 10-1 | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 |
| S8 10-2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| S8 10-3 | 10 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| S8 10-4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| S9 10-1 | 224 | 280 | 0 | 0 | 0 | 0 | 0 | 0 |
| S9 10-2 | 102 | 102 | 0 | 0 | 0 | 0 | 0 | 0 |
| S9 10-3 | 42 | 7 | 0 | 0 | 0 | 0 | 0 | 0 |
| S9 10-4 | 16 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| S10 10-1 | 11 | 20 | 0 | 0 | 0 | 0 | 2 | 0 |
| S10 10-2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| S10 10-3 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| S10 10-4 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| S11 10-1 | 1 | 240 | 0 | 0 | 0 | 0 | 11 | 4 |
| S11 10-2 | 0 | 180 | 0 | 0 | 2 | 0 | 3 | 0 |
| S11 10-3 | 0 | 69 | 0 | 1 | 1 | 0 | 0 | 2 |
| S11 10-4 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 |
| S12 10-1 | 9 | 96 | 0 | 0 | 0 | 0 | 0 | 0 |
| S12 10-2 | 42 | 72 | 0 | 1 | 0 | 0 | 2 | 0 |
| S12 10-3 | 28 | 14 | 0 | 0 | 0 | 0 | 2 | 3 |
| S12 10-4 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| S13 10-1 | 42 | 128 | 0 | 1 | 0 | 0 | 0 | 0 |
| S13 10-2 | 30 | 102 | 0 | 1 | 0 | 0 | 0 | 0 |
| S13 10-3 | 18 | 42 | 0 | 1 | 0 | 0 | 1 | 1 |
| S13 10-4 | 6 | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| S14 10-1 | 32 | 96 | 0 | 0 | 0 | 0 | 0 | 0 |
| S14 10-2 | 18 | 78 | 0 | 0 | 0 | 0 | 0 | 1 |
| S14 10-3 | 9 | 32 | 0 | 0 | 0 | 0 | 3 | 2 |
| S14 10-4 | 2 | 16 | 0 | 0 | 0 | 0 | 2 | 3 |
| S15 10-1 | 22 | 128 | 0 | 0 | 0 | 0 | 7 | 2 |
| S15 10-2 | 20 | 112 | 0 | 1 | 0 | 0 | 2 | 1 |
| S15 10-3 | 8 | 62 | 0 | 0 | 0 | 0 | 1 | 1 |
| S15 10-4 | 0 | 41 | 0 | 1 | 0 | 0 | 0 | 0 |
| S16 10-1 | 52 | 178 | 0 | 0 | 0 | 0 | 3 | 2 |
| S16 10-2 | 22 | 108 | 0 | 3 | 0 | 0 | 1 | 1 |
| S16 10-3 | 4 | 32 | 0 | 1 | 0 | 0 | 0 | 0 |
| S16 10-4 | 2 | 16 | 0 | 0 | 0 | 0 | 0 | 0 |
| S17 10-1 | 14 | 190 | 0 | 4 | 0 | 0 | 16 | 2 |
| S17 10-2 | 7 | 60 | 0 | 0 | 0 | 0 | 8 | 2 |
| S17 10-3 | 0 | 23 | 0 | 1 | 0 | 0 | 2 | 1 |
| S17 10-4 | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 |
| S18 10-1 | 42 | 64 | 0 | 0 | 0 | 0 | 18 | 2 |
| S18 10-2 | 16 | 58 | 0 | 0 | 1 | 0 | 7 | 0 |
| S18 10-3 | 0 | 32 | 0 | 0 | 0 | 0 | 2 | 1 |
| S18 10-4 | 1 | 6 | 0 | 1 | 0 | 0 | 0 | 0 |
| S19 10-1 | 6 | 42 | 0 | 0 | 0 | 0 | 6 | 0 |
| S19 10-2 | 4 | 16 | 0 | 1 | 0 | 0 | 4 | 2 |
| S19 10-3 | 0 | 2 | 0 | 2 | 0 | 0 | 8 | 1 |
| S19 10-4 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 0 |
| S20 10-1 | 0 | 69 | 0 | 1 | 0 | 0 | 14 | 4 |
| S20 10-2 | 1 | 41 | 0 | 0 | 0 | 0 | 7 | 2 |
| S20 10-3 | 1 | 21 | 0 | 1 | 0 | 0 | 1 | 0 |
| S20 10-4 | 0 | 16 | 0 | 1 | 0 | 0 | 1 | 0 |
| S21 10-1 | 1 | 18 | 0 | 0 | 0 | 0 | 6 | 0 |
| S21 10-2 | 0 | 16 | 0 | 0 | 0 | 0 | 3 | 2 |
| S21 10-3 | 1 | 11 | 0 | 1 | 0 | 0 | 2 | 0 |
| S21 10-4 | 2 | 2 | 0 | 0 | 0 | 0 | 1 | 4 |
| S22 10-1 | 3 | 230 | 0 | 0 | 0 | 0 | 9 | 1 |
| S22 10-2 | 1 | 173 | 0 | 2 | 0 | 0 | 2 | 4 |
| S22 10-3 | 0 | 114 | 0 | 0 | 0 | 0 | 9 | 1 |
| S22 10-4 | 0 | 39 | 0 | 0 | 0 | 0 | 2 | 4 |
| S23 10-1 | 0 | 142 | 0 | 0 | 0 | 0 | 2 | 2 |
| S23 10-2 | 0 | 93 | 0 | 0 | 0 | 0 | 0 | 0 |
| S23 10-3 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 1 |
| S23 10-4 | 0 | 21 | 1 | 0 | 0 | 0 | 0 | 1 |
| S24 10-1 | 11 | 32 | 0 | 0 | 0 | 0 | 2 | 0 |
| S24 10-2 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| S24 10-3 | 2 | 0 | 0 | 1 | 0 | 0 | 15 | 2 |
| S24 10-4 | 4 | 0 | 0 | 0 | 0 | 0 | 4 | 2 |
| S25 10-1 | 42 | 93 | 0 | 1 | 0 | 0 | 2 | 1 |
| S25 10-2 | 40 | 61 | 0 | 1 | 0 | 0 | 0 | 0 |
| S25 10-3 | 13 | 48 | 0 | 2 | 0 | 0 | 0 | 0 |
| S25 10-4 | 3 | 33 | 0 | 0 | 0 | 0 | 0 | 0 |
| S26 10-1 | 1 | 284 | 0 | 0 | 0 | 0 | 0 | 0 |
| S26 10-2 | 0 | 204 | 0 | 0 | 0 | 0 | 0 | 0 |
| S26 10-3 | 0 | 123 | 0 | 1 | 3 | 0 | 1 | 1 |
| S26 10-4 | 1 | 46 | 0 | 0 | 1 | 0 | 0 | 0 |
| S27 10-1 | 10 | 128 | 0 | 0 | 1 | 0 | 0 | 0 |
| S27 10-2 | 8 | 73 | 0 | 0 | 0 | 0 | 0 | 0 |
| S27 10-3 | 2 | 31 | 0 | 0 | 1 | 0 | 0 | 0 |
| S27 10-4 | 0 | 12 | 0 | 0 | 2 | 0 | 0 | 0 |
| S28 10-1 | 29 | 294 | 0 | 0 | 0 | 0 | 0 | 0 |
| S28 10-2 | 17 | 270 | 0 | 0 | 0 | 0 | 0 | 0 |
| S28 10-3 | 12 | 154 | 0 | 0 | 2 | 0 | 0 | 0 |
| S28 10-4 | 4 | 96 | 0 | 2 | 1 | 0 | 4 | 0 |
| S29 10-1 | 43 | 261 | 0 | 0 | 0 | 0 | 0 | 0 |
| S29 10-2 | 28 | 190 | 0 | 0 | 3 | 0 | 3 | 2 |
| S29 10-3 | 11 | 39 | 0 | 2 | 1 | 0 | 0 | 4 |
| S29 10-4 | 3 | 23 | 0 | 0 | 0 | 0 | 0 | 0 |
| S30 10-1 | 69 | 123 | 0 | 0 | 0 | 0 | 0 | 0 |
| S30 10-2 | 41 | 64 | 0 | 0 | 0 | 0 | 0 | 0 |
| S30 10-3 | 23 | 28 | 0 | 0 | 0 | 0 | 8 | 0 |
| S30 10-4 | 11 | 6 | 0 | 0 | 0 | 0 | 2 | 2 |