BACTERIAL PLATE COUNT

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SAMPLES | 10-1 | 10-2 | 10-3 | 10-4 |
| S1 | 13 | 9 | 12 | 58 |
| S2 | 5 | 16 | 15 | 1 |
| S3 | 39 | 9 | 6 | 2 |
| S4 | 16 | 38 | 26 | 3 |
| S5 | 22 | 20 | 64 | 8 |
| S6 | 7 | 44 | 180 | 69 |
| S7 | 7 | 202 | 21 | 14 |
| S8 | 13 | 12 | 8 | 7 |
| S9 | TNTC | TNTC | TNTC | TNTC |
| S10 | TNTC | TNTC | TNTC | TNTC |

RESULTS TOTAL COLIFORMS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SAMPLE | 10-1 | 10-2 | 10-3 | 10-4 |
| S1 | 3 | 3 | 3 | 3 |
| S2 | 3 | 3 | 3 | 3 |
| S3 | 3 | 0 | 3 | 3 |
| S4 | 1 | 3 | 2 | 3 |
| S5 | 2 | 3 | 3 | 3 |
| S6 | 3 | 3 | 3 | 3 |
| S7 | 3 | 3 | 3 | 3 |
| S8 | 3 | 2 | 3 | 3 |
| S9 | 3 | 3 | 3 | 3 |
| S10 | 0 | 3 | 3 | 3 |

RESULTS FECAL COLIFORMS

|  |  |  |  |
| --- | --- | --- | --- |
| SAMPLE | 10-1 | 10-2 | 10-3 |
| S1 | 3 | 3 | 3 |
| S2 | 3 | 3 | 3 |
| S3 | 3 | 0 | 3 |
| S4 | 1 | 3 | 3 |
| S5 | 0 | 0 | 3 |
| S6 | 3 | 1 | 3 |
| S7 | 3 | 3 | 3 |
| S8 | 3 | 3 | 3 |
| S9 | 3 | 3 | 3 |
| S10 | 0 | 3 | 3 |

RESULTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SAMPLE | GRAM STAIN RESULTS | CATALASE TEST | CITRATE TEST | METHYL RED TEST |
| S1 RHIZOID | *Staphylococcus sp* | + | + | - |
| S1 CIRCULAR | *Diplococcus sp* | + | + | - |
| S1 FILAMENTOUS | *Staphylococcus sp* | + | + | - |
| S2 CIRCULAR | *Streptococcus sp* | + | + | + |
| S2 FILAMENTOUS | *Staphylococcus sp* | + | + | + |
| S3 FILAMENTOUS | *Bacillus sp* | + | + | + |
| S3 CIRCULAR | *Diplococcus sp* | + | + | - |
| S4 CIRCULAR | *Staphylococcus sp* | + | + | + |
| S4 FILAMENTOUS | *Staphylococcus sp* | + | + | - |
| S5 RHIZOID | *Bacillus sp* | + | + | + |
| S5 CIRCULAR WHITE | *Diplococcus sp* | + | + | - |
| S5 FILAMENTOUS GLISTERING | *Actinomyces sp* | + | + | + |
| S6 FILAMENTOUS | *Bacillus sp* | + | + | - |
| S6 PUNCTIFORM MEDIUM | *Diplococcus sp* | + | + | - |
| S7 FILAMENTOUS | *Bacillus sp* | + | + | - |
| S7 PUNCTIFORM WHITE | *Staphylococcus sp* | + | + | - |
| S8 CIRCULAR | *Staphylococcus sp* | + | + | - |
| S8 FILAMENTOUS MEDIUM | *Bacillus sp* | + | + | + |
| S8 IRREGULAR | *Diplococcus sp* | + | + | - |
| S8 PUNCTIFORM | *Bacillus sp* | + | + | + |
| S9 IRREGULAR LOBATE | *Streptobacillus sp* | + | + | - |
| S9 IRREGULAR WAVY | *Streptobacillus sp* | + | + | - |
| S10 FILAMENTOUS | *Staphylococcus sp* | + | + | - |
| S10 IRREGULAR | *Diplococcus sp* | + | + | - |
| S10 CIRCULAR | *Bacillus sp* | + | + | - |
| S10 PUNCTIFORM | *Diplococcus sp* | + | + | - |

RESULTS: KOVACS TEST

|  |  |  |  |
| --- | --- | --- | --- |
| SAMPLE | 10-1 | 10-2 | 10-3 |
| S1 | +++ | +++ | --+ |
| S2 | --- | --- | -+- |
| S3 | ++- | --- | --- |
| S4 | --- | +++ | +++ |
| S5 |  |  | +-+ |
| S6 | --- | - | --- |
| S7 | +++ | -++ | +++ |
| S8 | -+- | --- | --- |
| S9 | --- | --- | --- |
| S10 |  | --- | --- |

RESULTS: EMBA FOR *E. coli*

|  |  |  |  |
| --- | --- | --- | --- |
| SAMPLES | 10-1 | 10-2 | 10-3 |
| S1 | 3 | 3 | 1 |
| S2 |  |  | 1 |
| S3 | 1 |  |  |
| S4 |  | 2 | 0 |
| S5 |  |  | 0 |
| S6 |  |  |  |
| S7 | 1 | 0 | 0 |
| S8 | 0 |  |  |
| S9 |  |  |  |
| S10 |  |  |  |

FUNGAL IDENTIFICATION RESULTS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SAMPLE/ PLATE | 1. niger | 1. fugamitus | 1. flavus | Penicillin sp | C. gloeosporioides | Rhizopus sp |
| S1 10-1 | 0 | 2 | 0 | 0 | 0 | 0 |
| S1 10-2 | 1 | 7 | 1 | 0 | 0 | 0 |
| S1 10-3 | 0 | 1 | 0 | 0 | 0 | 0 |
| S1 10-4 | 0 | 5 | 0 | 0 | 0 | 0 |
| S2 10-1 | 0 | 198 | 0 | 0 | 0 | 0 |
| S2 10-2 | 2 | 20 | 0 | 0 | 0 | 0 |
| S2 10-3 | 3 | 2 | 0 | 0 | 0 | 0 |
| S2 10-4 | 0 | 2 | 0 | 0 | 0 | 0 |
| S3 10-1 | 0 | 0 | 0 | 50 | 0 | 0 |
| S3 10-2 | 0 | 0 | 0 | 0 | 0 | 0 |
| S3 10-3 | 0 | 0 | 0 | 6 | 0 | 0 |
| S3 10-4 | 0 | 0 | 0 | 0 | 0 | 0 |
| S4 10-1 | 1 | 0 | 1 | 0 | 0 | 0 |
| S4 10-2 | 2 | 2 | 0 | 177 | 0 | 0 |
| S4 10-3 | 1 | 1 | 0 | 114 | 0 | 0 |
| S4 10-4 | 0 | 0 | 0 | 6 | 0 | 0 |
| S5 10-1 | 0 | 4 | 0 | 0 | 0 | 0 |
| S5 10-2 | 0 | 2 | 0 | 0 | 0 | 0 |
| S5 10-3 | 0 | 0 | 0 | 0 | 0 | 0 |
| S5 10-4 | 0 | 2 | 0 | 0 | 0 | 0 |
| S6 10-1 | 8 | 0 | 0 | 71 | 0 | 1 |
| S6 10-2 | 16 | 94 | 9 | 0 | 0 | 0 |
| S6 10-3 | 2 | 0 | 0 | 0 | 0 | 1 |
| S6 10-4 | 2 | 4 | 0 | 0 | 0 | 0 |
| S7 10-1 | 1 | 3 | 0 | 0 | 0 | 0 |
| S7 10-2 | 0 | 2 | 0 | 0 | 0 | 0 |
| S7 10-3 | 0 | 3 | 0 | 0 | 1 | 0 |
| S7 10-4 | 0 | 3 | 0 | 0 | 0 | 0 |
| S8 10-1 | 20 | 90 | 0 | 0 | 0 | 0 |
| S8 10-2 | 26 | 76 | 8 | 0 | 0 | 1 |
| S8 10-3 | 1 | 40 | 0 | 0 | 0 | 1 |
| S8 10-4 | 12 | 36 | 0 | 0 | 0 | 1 |
| S9 10-1 | 29 | 154 | 0 | 0 | 0 | 0 |
| S9 10-2 | 16 | 78 | 4 | 0 | 0 | 1 |
| S9 10-3 | 16 | 74 | 6 | 0 | 0 | 0 |
| S9 10-4 | 17 | 115 | 1 | 0 | 0 | 1 |
| S10 10-1 | 0 | 1 | 0 | 0 | 0 | 0 |
| S10 10-2 | 0 | 3 | 0 | 0 | 2 | 0 |
| S10 10-3 | 1 | 0 | 0 | 0 | 2 | 0 |
| S10 10-4 | 3 | 5 | 0 | 1 | 0 | 0 |