BACTERIAL PLATE COUNT

|  |  |  |
| --- | --- | --- |
| SHOPS | SAMPLES |  |
| CoS | S1A | 1.5×105 |
| S1B | TNTC |
| QM | S2A | 6.8×103 |
| S2B | TNTC |
| G&G | S3B | 6.8×103 |
| S3A | 4.5×104 |
| RM | S4C | 1.5×104 |
| S4B | 3.7×104 |
| OT | S5A1 | 2.2×105 |
| S5A2 | 2.0×104 |

Find log of values

S1A-S5A2 are sample names.

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 |

You can ignore this. However, if you find a way to ignore it, its fine.

RESULTS FECAL COLIFORMS

|  |  |  |
| --- | --- | --- |
| SHOPS | SAMPLES |  |
| CoS | S1A | TNTC |
| S1B | TNTC |
| QM | S2A | TNTC |
| S2B | 1.2×104 |
| G&G | S3B | 5.0×102 |
| S3A | 1.6×103 |
| RM | S4C | TNTC |
| S4B | TNTC |
| OT | S5A1 | TNTC |
| S5A2 | 1.2×104 |

RESULTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SAMPLE | GRAM STAIN RESULTS | CATALASE TEST | CITRATE TEST | METHYL RED TEST |
| S1A RHIZOID | *Staphylococcus sp* | + | + | - |
| S1A CIRCULAR | *Diplococcus sp* | + | + | - |
| S1A FILAMENTOUS | *Staphylococcus sp* | + | + | - |
| S1A CIRCULAR | *Streptococcus sp* | + | + | + |
| S2A FILAMENTOUS | *Staphylococcus sp* | + | + | + |
| S3B FILAMENTOUS | *Bacillus sp* | + | + | + |
| S3B CIRCULAR | *Diplococcus sp* | + | + | - |
| S4C CIRCULAR | *Staphylococcus sp* | + | + | + |
| S4C FILAMENTOUS | *Staphylococcus sp* | + | + | - |
| S5B RHIZOID | *Bacillus sp* | + | + | + |
| S5B CIRCULAR WHITE | *Diplococcus sp* | + | + | - |
| S5B FILAMENTOUS GLISTERING | *Actinomyces sp* | + | + | + |
| S6 FILAMENTOUS | *Bacillus sp* | + | + | - |
| S5A1 PUNCTIFORM MEDIUM | *Diplococcus sp* | + | + | - |
| S3A1 FILAMENTOUS | *Bacillus sp* | + | + | - |
| S7A1 PUNCTIFORM WHITE | *Staphylococcus sp* | + | + | - |
| S5A2 CIRCULAR | *Staphylococcus sp* | + | + | - |
| S5A2 FILAMENTOUS MEDIUM | *Bacillus sp* | + | + | + |
| S5A2 IRREGULAR | *Diplococcus sp* | + | + | - |
| S5A2 PUNCTIFORM | *Bacillus sp* | + | + | + |
| S2B IRREGULAR LOBATE | *Streptobacillus sp* | + | + | - |
| S2B IRREGULAR WAVY | *Streptobacillus sp* | + | + | - |
| S1B FILAMENTOUS | *Staphylococcus sp* | + | + | - |
| S1B IRREGULAR | *Diplococcus sp* | + | + | - |
| S1B CIRCULAR | *Bacillus sp* | + | + | - |
| S1B PUNCTIFORM | *Diplococcus sp* | + | + | - |

This can come just as it is here.

RESULTS: KOVACS TEST

|  |  |  |
| --- | --- | --- |
| SHOPS | SAMPLES |  |
| CoS | S1A | Present |
| S1B | Present |
| QM | S2A | Present |
| S2B | Present |
| G&G | S3B | Present |
| S3A | Absent |
| RM | S4C | Present |
| S4B | Present |
| OT | S5A1 | Absent |
| S5A2 | Present |

Kovac is prelimnary test to check for presence of e coli.

RESULTS: EMBA FOR *E. coli*

|  |  |  |
| --- | --- | --- |
| SHOPS | SAMPLES |  |
| CoS | S1A | 4.4×102 |
| S1B | 1.0×102 |
| QM | S2A | 1.0×101 |
| S2B | 1.0×102 |
| G&G | S3B | 0 |
| S3A |  |
| RM | S4C | 0.33×101 |
| S4B | 0 |
| OT | S5A1 |  |
| S5A2 |  |

Confirms e coli presence

FUNGAL IDENTIFICATION RESULTS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SAMPLE/ PLATE | 1. niger | 1. fumigatus | 1. flavus | Penicillin sp | C. gloeosporioides | Rhizopus sp |
| S1 10-1 | Absent | Present | Absent | Absent | Absent | Absent |
| S1 10-2 | Present | Present | Present | Absent | Absent | Absent |
| S1 10-3 | Absent | Present | Absent | Absent | Absent | Absent |
| S1 10-4 | Absent | Present | Absent | Absent | Absent | Absent |
| S2 10-1 | Absent | Present | Absent | Absent | Absent | Absent |
| S2 10-2 | Present | Present | Absent | Absent | Absent | Absent |
| S2 10-3 | Present | Present | Absent | Absent | Absent | Absent |
| S2 10-4 | Absent | Present | Absent | Absent | Absent | Absent |
| S3 10-1 | Absent | Absent | Absent | Present | Absent | Absent |
| S3 10-2 | Absent | Absent | Absent | Absent | Absent | Absent |
| S3 10-3 | Absent | Absent | Absent | Present | Absent | Absent |
| S3 10-4 | Absent | Absent | Absent | Absent | Absent | Absent |
| S4 10-1 | Present | Absent | Present | Absent | Absent | Absent |
| S4 10-2 | Present | Present | Absent | Present | Absent | Absent |
| S4 10-3 | Present | Present | Absent | Present | Absent | Absent |
| S4 10-4 | Absent | Absent | Absent | Present | Absent | Absent |
| S5 10-1 | Absent | Present | Absent | Absent | Absent | Absent |
| S5 10-2 | Absent | Present | Absent | Absent | Absent | Absent |
| S5 10-3 | Absent | Absent | Absent | Absent | Absent | Absent |
| S5 10-4 | Absent | Present | Absent | Absent | Absent | Absent |
| S6 10-1 | Present | Absent | Absent | Present | Absent | Present |
| S6 10-2 | Present | Present | Present | Absent | Absent | Absent |
| S6 10-3 | Present | Absent | Absent | Absent | Absent | Present |
| S6 10-4 | Present | Present | Absent | Absent | Absent | Absent |
| S7 10-1 | Present | Present | Absent | Absent | Absent | Absent |
| S7 10-2 | Absent | Present | Absent | Absent | Absent | Absent |
| S7 10-3 | Absent | Present | Absent | Absent | Present | Absent |
| S7 10-4 | Absent | Present | Absent | Absent | Absent | Absent |
| S8 10-1 | Present | Present | Absent | Absent | Absent | Absent |
| S8 10-2 | Present | Present | Present | Absent | Absent | Present |
| S8 10-3 | Present | Present | Absent | Absent | Absent | Present |
| S8 10-4 | Present | Present | Absent | Absent | Absent | Present |
| S9 10-1 | Present | Present | Absent | Absent | Absent | Present |
| S9 10-2 | Present | Present | Present | Absent | Absent | Present |
| S9 10-3 | Present | Present | Present | Absent | Absent | Absent |
| S9 10-4 | Present | Present | Present | Absent | Absent | Present |
| S10 10-1 | Absent | Present | Absent | Absent | Absent | Absent |
| S10 10-2 | Absent | Present | Absent | Absent | Present | Absent |
| S10 10-3 | Present | Absent | Absent | Absent | Present | Absent |
| S10 10-4 | Present | Present | Absent | Present | Absent | Absent |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Fungal Species | S1 | S2 | S3 | S4 | S5 | S6 | S7 | S8 | S9 | S10 |
| *Aspergillus niger* |  |  |  |  |  |  |  |  |  |  |
| 1. *fumigatus* |  |  |  |  |  |  |  |  |  |  |
| 1. *flavus* |  |  |  |  |  |  |  |  |  |  |
| *Penicillin. Sp* |  |  |  |  |  |  |  |  |  |  |
| *Rhizopus* |  |  |  |  |  |  |  |  |  |  |