

Sample Rep. No:- RDKL/MB/23M/SR00064

Date of Allocation:- 15/12/2023

Due Date:- 29/12/2023

Test start Date:- 13/12/2023

Test End Date:- 18/12/2023

Parameter:- TC &amp; FC

No. of samples:- 04

Name of the supervisor:- Sri A. Kumar

## Presumptive Test

Total Coliform

Fecal coliform

Media:- LTB

A1 broth

Date &amp; Time of inoculation:- 12/12/2023: 11:30 AM

Incubation Temp:- 35.5°C

| Dilution              | 24 Hr | 48 Hr | MPN/100ml | Dilution         | 24 Hr | 48 Hr | MPN/100ml |
|-----------------------|-------|-------|-----------|------------------|-------|-------|-----------|
| 23M/RDCL/MB/WW/L00100 |       |       |           |                  |       |       |           |
| 10 <sup>-5</sup>      | 5+/5  | 5+/5  |           | 10 <sup>-9</sup> | 5+/5  | 5+/5  |           |
| 10 <sup>-6</sup>      | 4+/5  | 4+/5  |           | 10 <sup>-5</sup> | 4+/5  | 4+/5  |           |
| 10 <sup>-7</sup>      | 3+/5  | 4+/5  |           | 10 <sup>-6</sup> | 2+/5  | 3+/5  |           |

| Dilution              | 24 Hr | 48 Hr | MPN/100ml | Dilution         | 24 Hr | 48 Hr | MPN/100ml |
|-----------------------|-------|-------|-----------|------------------|-------|-------|-----------|
| 23M/RDCL/MB/WW/L00101 |       |       |           |                  |       |       |           |
| 10 <sup>-5</sup>      | 5+/5  | 5+/5  |           | 10 <sup>-9</sup> | 5+/5  | 5+/5  |           |
| 10 <sup>-6</sup>      | 3+/5  | 4+/5  |           | 10 <sup>-5</sup> | 3+/5  | 3+/5  |           |
| 10 <sup>-7</sup>      | 3+/5  | 3+/5  |           | 10 <sup>-6</sup> | 2+/5  | 3+/5  |           |

| Dilution              | 24 Hr | 48 Hr | MPN/100ml | Dilution         | 24 Hr | 48 Hr | MPN/100ml |
|-----------------------|-------|-------|-----------|------------------|-------|-------|-----------|
| 23M/RDCL/MB/WW/L00102 |       |       |           |                  |       |       |           |
| 10 <sup>-5</sup>      | 5+/5  | 5+/5  |           | 10 <sup>-9</sup> | 5+/5  | 5+/5  |           |
| 10 <sup>-6</sup>      | 4+/5  | 4+/5  |           | 10 <sup>-5</sup> | 4+/5  | 4+/5  |           |
| 10 <sup>-7</sup>      | 4+/5  | 4+/5  |           | 10 <sup>-6</sup> | 2+/5  | 2+/5  |           |

| Dilution              | 24 Hr | 48 Hr | MPN/100ml | Dilution         | 24 Hr | 48 Hr | MPN/100ml |
|-----------------------|-------|-------|-----------|------------------|-------|-------|-----------|
| 23M/RDCL/MB/WW/L00103 |       |       |           |                  |       |       |           |
| 10 <sup>-5</sup>      | 5+/5  | 5+/5  |           | 10 <sup>-9</sup> | 5+/5  | 5+/5  |           |
| 10 <sup>-6</sup>      | 4+/5  | 4+/5  |           | 10 <sup>-5</sup> | 4+/5  | 4+/5  |           |
| 10 <sup>-7</sup>      | 3+/5  | 3+/5  |           | 10 <sup>-6</sup> | 2+/5  | 2+/5  |           |



Confirmation Test

Total Coliform

fecal coliform

Media: BGGB

Date & Time of inoculation: 15/12/23: 10:30 AM

44.5°C

Inoculation Temp: 35.5°C

Dilution 25ml 48hr MP/coloured

| 25ml   ROU   MB   WW   LOD 100 |                         | Dilution 25ml 48hr MP/coloured |                         |
|--------------------------------|-------------------------|--------------------------------|-------------------------|
| 10 <sup>5</sup> 5+/5 5+/5      | } 350 x 10 <sup>6</sup> | 10 <sup>4</sup> 5+/5 5+/5      | } 280 x 10 <sup>5</sup> |
| 10 <sup>6</sup> 4+/5 4+/5      |                         | 10 <sup>5</sup> 4+/5 4+/5      |                         |
| 10 <sup>7</sup> 4+/5 4+/5      |                         | 10 <sup>6</sup> 3+/5 3+/5      |                         |

25ml | ROU | MB | WW | LOD 101

|                           |                         |                           |                         |
|---------------------------|-------------------------|---------------------------|-------------------------|
| 10 <sup>5</sup> 5+/5 5+/5 | } 280 x 10 <sup>6</sup> | 10 <sup>4</sup> 5+/5 5+/5 | } 170 x 10 <sup>5</sup> |
| 10 <sup>6</sup> 4+/5 4+/5 |                         | 10 <sup>5</sup> 3+/5 3+/5 |                         |
| 10 <sup>7</sup> 3+/5 3+/5 |                         | 10 <sup>6</sup> 3+/5 3+/5 |                         |

25ml | ROU | MB | WW | LOD 102

|                           |                         |                           |                         |
|---------------------------|-------------------------|---------------------------|-------------------------|
| 10 <sup>5</sup> 5+/5 5+/5 | } 350 x 10 <sup>6</sup> | 10 <sup>4</sup> 5+/5 5+/5 | } 220 x 10 <sup>5</sup> |
| 10 <sup>6</sup> 4+/5 4+/5 |                         | 10 <sup>5</sup> 4+/5 4+/5 |                         |
| 10 <sup>7</sup> 4+/5 4+/5 |                         | 10 <sup>6</sup> 2+/5 2+/5 |                         |

25ml | ROU | MB | WW | LOD 103

|                           |                         |                           |                         |
|---------------------------|-------------------------|---------------------------|-------------------------|
| 10 <sup>5</sup> 5+/5 5+/5 | } 280 x 10 <sup>6</sup> | 10 <sup>4</sup> 5+/5 5+/5 | } 220 x 10 <sup>5</sup> |
| 10 <sup>6</sup> 4+/5 4+/5 |                         | 10 <sup>5</sup> 4+/5 4+/5 |                         |
| 10 <sup>7</sup> 3+/5 3+/5 |                         | 10 <sup>6</sup> 2+/5 2+/5 |                         |

Quality Control :-

- +ve control for TC +ve
- ve " " " -ve
- +ve control for FC +ve
- ve " " " -ve
- sterile media -ve
- Buffer -ve

Vijay

A. Kumar