

## CM 20939 – LECITHIN DILUENT BROTH

### INTENDED USE

Adiluentfor cosmetic samples.

### PRODUCT SUMMARY AND EXPLANATION

LecithinDiluentBrothisusedasadiluentfor cosmetic samples.

### COMPOSITION

| Ingredients                    | Gms / Ltr |
|--------------------------------|-----------|
| Tryptone                       | 1.000     |
| Lecithin                       | 3.000     |
| Sodium thiosulphate            | 5.000     |
| Sodium chloride                | 8.500     |
| Disodium hydrogen phosphate    | 8.000     |
| Potassium dihydrogen phosphate | 1.500     |
| L-Histidine hydrochloride      | 1.000     |

### PRINCIPLE

This medium consists of Tryptone which provides carbon source for growth of a wide variety of organisms. Lecithin is added as a surface active agent. Sodium chloride maintains osmotic balance.

### INSTRUCTION FOR USE

Dissolve 28.0 grams in 1000 ml purified/distilled water.

Heat if necessary to dissolve the medium completely.

Dispense into tubes or flasks as desired and Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

### QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow coloured homogeneous free flowing powder.

Appearance of prepared medium : Light yellow coloured opalescent solution.

pH (at 25°C) : 6.9 ± 0.2

### INTERPRETATION

Cultural characteristics observed after incubation.

| Microorganism    | ATCC  | Inoculum (CFU/ml) | Growth | Incubation Temperature | Incubation Period |
|------------------|-------|-------------------|--------|------------------------|-------------------|
| Escherichia coli | 25922 | 50-100            | Good   | 35-37°C                | 18-24 Hours       |



|                                     |       |        |      |         |             |
|-------------------------------------|-------|--------|------|---------|-------------|
| Staphylococcus aureus subsp. aureus | 25923 | 50-100 | Good | 35-37°C | 18-24 Hours |
|-------------------------------------|-------|--------|------|---------|-------------|

#### PACKAGING:

In pack size of 500 gm bottles.

#### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 2-8°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

#### DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

#### REFERENCES

1. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.

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|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <br>Good Manufacturing<br>Practices Certified | <br>Best Before        | <br>Quantity                          | <br>Catalogue Number | <br>Manufacturer |
| <br>Temperature Unit                          | <br>Lot / Batch Number | <br>Consults Instructions<br>for Use | <br>QR<br>Code       |                                                                                                       |

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

\*For Lab Use Only

