

## TM 734 – FLUID LACTOSE MEDIUM W/ SOYA LECITHIN AND POLYSORBATE 20 (DOUBLE PACK)

### INTENDED USE

For microbial evaluation of oral hygiene products.

### PRODUCT SUMMARY AND EXPLANATION

Fluid Lactose Medium w/ Soya Lecithin and polysorbate 20 is recommended for microbial evaluation of oral hygiene products.

### COMPOSITION

Ingredients	Gms / Ltr
<b>Part I</b>	
Beef extract	3.000
Gelatin peptone	5.000
Lactose	5.000
Soya lecithin	5.000
<b>Part II</b>	
Polysorbate 20	40.000

### PRINCIPLE

The medium consists of Beef extract and gelatin peptone which provide nitrogen and carbon compounds, long chain amino acids and other essential nutrients for bacterial metabolism. Lactose is the source of fermentable carbohydrate. Soya lecithin neutralizes the quaternary ammonium compounds while Polysorbate 20 neutralizes phenolic disinfectants; hexachlorophene and formalin.

### INSTRUCTION FOR USE

- Dissolve 18.0 grams of Part I in 960 ml purified / distilled water.
- Heat if necessary to dissolve the medium completely.
- Add 40 ml of Part II and Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C and Mix well and dispense as desired.

### QUALITY CONTROL SPECIFICATIONS

**Appearance of Powder** : Part I : Cream to yellow homogeneous free flowing powder Part II : Colourless viscous liquid.

**Appearance of prepared medium** : Yellow clear to slightly 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
<i>Candida albicans</i>	26790	10-100	Luxuriant	25-30°C	18-48 Hours
<i>Enterococcus faecalis</i>	29212	50-100	Luxuriant	35-37°C	18-48 Hours
<i>Escherichia coli</i>	25922	50-100	Luxuriant	35-37°C	18-48 Hours
<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant	35-37°C	18-48 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	35-37°C	18-48 Hours

**PACKAGING:**

In pack size of 100 gm and 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. Faverco [chem.], 1967, Microbiological Sampling of Surfaces, Biological Contamination Control Committee, American Assoc. for Contamination Control
2. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
3. 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.



<b>GMP</b> Good Manufacturing Practices Certified	<b>IVD</b> For In Vitro Diagnostic Use	<b>QTY.</b> Quantity	<b>LOT/ B. NO.</b> Lot / Batch Number	<b>REF</b> Catalogue Number	 Manufacturer
 Temperature Unit	<b>EC REP</b> MedNet GmbH Baukstrasse 10, 49163 Muenster, Germany Authorized Representative	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

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

**\*For Lab Use Only**  
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