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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				
Part I					
Beef extract	3.000				
Gelatin peptone	5.000				
Lactose	5.000				
Soya lecithin	5.000				
Part II					
Polysorbate 20	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 : Colour		
	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.

A- 902A, RIICO Industrial Area, Phase III, Bhiwadi-301019.

PRODUCT DATA SHEET



Microorganism	ATCC	lnoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Candida albicans	26790	10-100	Luxuriant	25-30°C	18-48 Hours
Enterococcus faecalis	29212	50-100	Luxuriant	35- 37° C	18-48 Hours
Escherichia coli	25922	50-100	Luxuriant	35-37°C	18-48 Hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	35-37°C	18-48 Hours
Staphylococcus aureus	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.

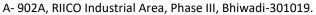
DISPOSAL

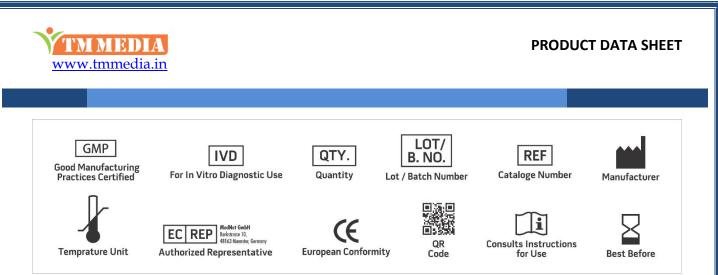
After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

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.







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

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