



## Product Data Sheet

### **FLUID LACTOSE MEDIUM W/ SOYA LECITHIN AND POLYSORBATE 20 (DOUBLE PACK)**

**Product No.** GB-DCM-00319-1A

#### **INTENDED USE**

For microbial evaluation of oral hygiene products.

#### **PRODUCT SUMMARY**

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

#### **Product Specifications**

<b>Ingredients</b>	<b>Gms / Ltr</b>
Part I	
Beef extract	3.000
Gelatin peptone	5.000
Lactose	5.000
Soya lecithin	5.000
Part II	
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 : Yellow clear to slightly opalescent solution

pH (at 25°C) : 6.9± 0.2

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Candida albicans	26790	50-100	Luxuriant	35-37°C	24-48 Hours
Enterococcus faecalis	29212	50-100	Luxuriant	35-37°C	24-48 Hours
Escherichia coli	25922	50-100	Luxuriant	35-37°C	24-48 Hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	35-37°C	24-48 Hours
Staphylococcus aureus	25923	50-100	Luxuriant	35-37°C	24-48 Hours

### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°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.

**This product is for research use only.**