

## Soybean-Casein-Digest-Lecithin-Polysorbate 80 Medium (SCDLP 80 Broth) (European Pharmacopoeia)

Recommended for determining efficiency of sanitization of containers, equipment surfaces, water miscible cosmetics etc.

### DESCRIPTION AND PRINCIPLE

Soyabean Casein Digest Lecithin Polysorbate 80 Medium for the detection and enumeration of microorganisms present on surfaces of sanitary importances. Tryptone and Soya peptone provide nitrogenous, carbonaceous compounds, long chain amino acids and other nutrients essential for microbial replication. Lecithin and polysorbate 80 (Tween 80) are neutralizers reported to inactivate residual disinfectants from where the sample is collected. Lecithin neutralizes quaternary ammonium compounds and polysorbate 80 neutralizes phenolic disinfectants, hexachlorophene, formalin and with lecithin ethanol. Collection of samples from areas before and after the treatment with disinfectant evaluates cleaning procedures in environmental sanitation.

| COMPOSITION                    | g/L   |
|--------------------------------|-------|
| Tryptone                       | 17.00 |
| Soya peptone                   | 3.00  |
| Sodium chloride                | 5.00  |
| Dipotassium hydrogen phosphate | 2.50  |
| Dextrose(Glucose)              | 2.50  |
| Lecithin                       | 1.00  |
| Polysorbate 80 (Tween 80)      | 7.00  |

**Final pH 7,2 ± 0,2 at 25°C**

### WARNING AND PRECAUTIONS

Observe the precautions normally taken when handling laboratory reagents.

**Prepared Medium:** The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous.

**Safety Data Sheet** is available on request for professional users.

All waste must be disposed of according to local directives.

### STORAGE AND STABILITY

**Prepared medium:** 10-25°C

The product is stable until the expiration date indicated on the label under the recommended storage conditions.

### PREPARATION

Ready-to-use.

### PROCEDURE

For Environmental samples follow appropriate techniques for handling specimens as per established guidelines.

### RESULTS

Examine for growth as demonstrated by turbidity in the medium.

### QUALITY CONTROL

**Prepared medium:** clear to slightly opalescent, amber solution.

**Typical response after incubation at 37°C for 24-48 hours:**

| MICROORGANISM                       | GROWTH      |
|-------------------------------------|-------------|
| Aspergillus brasiliensis ATCC 16404 | Good growth |
| Candida albicans ATCC 10231         | Good growth |
| Pseudomonas aeruginosa ATCC 9027    | Good growth |
| Staphylococcus aureus ATCC 25923    | Good growth |

### REFERENCES

- American Public Health Association. Standard Methods for the Examination of Water and Wastewater, APHA, Washington, D.C.
- APHA Technical Committee on Microbiological Methods for Foods. Compendium of Methods for the Microbiological Examination of Foods, APHA, Washington, D.C.
- United States Pharmacopoeia and National Formulary (USP-NF). Rockville, MD: United States Pharmacopoeial Convention.
- European Pharmacopoeia 8.0 (2014): 2.6.1. Sterility; 2.6.12. Microbial examination of non-sterile products (total viable aerobic count).
- Japanese Pharmacopoeia 16th edition (2011): 4.05 Microbial Limit Test; 4.06 Sterility Test
- ISO/TS 11133-1:2009 Microbiology of food and animal feeding stuffs. - Guidelines on preparation and production of culture media. Part 1: General guidelines on quality assurance for the preparation of culture media in the laboratory.
- ISO/TS 11133-2:2003 Corr. 2004 Microbiology of food and animal feeding stuffs. - Guidelines on preparation and production of culture media. Part 2: Practical guidelines on performance testing of culture media.
- ISO 18415 Standard (2017) Cosmetics – Microbiology – Detection of specified and non-specified microorganisms.
- ISO 18416 Standard (2016) Cosmetics – Microbiology – Enumeration and detection of aerobic Mesophilic bacteria.
- ISO 21150 Standard (2016) Cosmetics – Microbiology – Detection of Escherichia coli.
- ISO 22717 Standard (2016) Cosmetics – Microbiology – Detection of Pseudomonas aeruginosa.
- ISO 11133:2020 - Microbiologia di alimenti, mangimi per animali e acqua - Preparazione, produzione, immagazzinamento e prove di prestazione dei terreni culturali.

### PRESENTATION

**Packaging**

**REF.**

#### Prepared medium

**Soybean-Casein-Digest-Lecithin-Polysorbate 80 Medium  
(SCDLP 80 Broth)**

**100 x 9 mL tubes    5228/100P  
6 x 90 mL bottles    70088**

### SYMBOLS



Read the instructions



Biological hazard



CE Mark (product complies with the requirements of Regulation (EU) 746/2017)



Temperature limitation



Use by



For in vitro diagnostic use



Manufacturer