

## Soyabean Casein Digest Medium with 1% Polysorbate 80

### Intended Use

Soyabean Casein Digest Medium with 1% Polysorbate 80 is used for validation of cleanliness on surfaces of containers, equipment surfaces and water miscible cosmetics.

### Summary

Soyabean Casein Digest Medium with 1% Polysorbate 80 is used for the detection and enumeration of microorganisms on surfaces of sanitary importance, water miscible cosmetics, products containing antimicrobials or preservatives.

### Principle

Pancreatic digest of casein and papaic digest of soyabean meal provide essential nutrients. glucose serves as source of fermentable carbohydrate for the energy production. Sodium chloride maintains osmotic balance while dibasic hydrogen phosphate provides buffering capacity. Polysorbate 80 is incorporated to neutralize any residual disinfectant activity. Polysorbate 80 neutralizes substituted phenolics.

### Formula\*

Ingredients	g/L
Pancreatic Digest of Casein	17.0
Papaic Digest of Soyabean	3.0
Sodium Chloride	5.0
Dibasic Hydrogen Phosphate	2.5
Glucose Monohydrate	2.5
Polysorbate 80	1.0%
Purified water	1000 mL
Final pH (at 25°C)	7.3 ± 0.2

\*Adjusted to suit performance parameters.

### Directions

1. Bring the Soyabean Casein Digest Medium with 1% Polysorbate 80 vial to the room temperature 22°C-30°C.
2. Use Soyabean Casein Digest Medium with 1% Polysorbate 80 as per required application.

### Quality Control

**Appearance:** Light amber coloured, clear solution without any precipitate.

**Growth Promotion Test:** Growth promotion is carried out in accordance with the harmonized method of USP/EP/JP and growth is observed after an incubation at 30°C-35°C for ≤ 3 days for bacteria and ≤ 5 days for fungi.

**Growth Promoting Properties:** The test results observed are within the specified temperature and shortest period of time, inoculating ≤ 100 cfu (at 30°C-35 °C for ≤ 3 days for bacteria and ≤ 5 days for fungi).

Organism (ATCC)	Growth
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (6538)	Good
<i>Pseudomonas aeruginosa</i> (9027)	Good
<i>Bacillus spizizenii</i> (6633)	Good
<i>Candida albicans</i> 3147 (10231)	Good
<i>Aspergillus brasiliensis</i> WLRI 034(120) (16404)	Good

### Growth Promotion Test in presence of Quarternary Ammonium Compound:

Organism (ATCC)	Test*	Control**
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (6538)	Good	No Growth
<i>Bacillus spizizenii</i> (6633)	Good	No Growth

**Key:**

\* Soyabean Casein Digest Medium with 1% Polysorbate 80

\*\* Soyabean Casein Digest Medium

**Note:** Inoculum cfu for good growth is 10-100.

**Remarks**

1. Do not use media bottles that exhibit any damage, cracks, microbial contamination, discolouration, drying or any other sign of deterioration.
2. Good laboratory practices and hazard precautions must be observed at all times.
3. After use media containers, sample, sample containers and other contaminated materials must be sterilized or incinerated before discarding.
4. All autoclaved biohazards should be disposed off in accordance with state and local environmental regulations.
5. Only qualified personnel who have been trained in microbiological procedures should handle all infected specimens and inoculated culture media.
6. User should ensure that any machinery or apparatus used and by chance contaminated must be safely disinfected or sterilized. The environment in which microbiological cultures are handled must also be taken into account.

**Storage and Stability**

1. Store the ready to use Soyabean Casein Digest Medium with 1% Polysorbate 80 at 15°C-25°C in a cool, dry place away from light.
2. Stability of the kit is as per expiry date mentioned on the label.

**Warranty**

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

**References**

1. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

**Product Presentation:**

Cat. No.	Product Description	Pack Size
203190680010	Ready Prepared Tube	25 x 10 mL
203190680090	Bottle Media	90 mL
203192490090	Bottle Media	10 x 90 mL

**Disclaimer**

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.

---