

# PRODUCT INFORMATION

**Product Type:** CONTACT DISHES

**Cat No. CD013 - SDA+LECITHIN+POLYSORBATE 80 (IRRADIATED)**

## **Intended Use:**

culture medium used in microbiology for the isolation and cultivation of fungi, especially molds and yeasts. Each component in the medium serves a specific.

---

## **Principle and Uses:**

Sabouraud Dextrose Agar is a general-purpose medium used in the cultivation of yeasts, molds and aciduric microorganisms. Cultivation of pathogenic and nonpathogenic fungi, particularly dermatophytes. SDA+LECITHIN+POLYSORBATE 80 provides a nutrient-rich and selective environment for the cultivation of fungi, including molds and yeasts. The medium supports the growth of a wide range of fungi while inhibiting the growth of most bacteria due to its acidic pH. Lecithin and Polysorbate 80 may be added to enhance the recovery and growth of fungi with specific nutritional requirements, especially those that thrive on lipid substrates. Fungal cultures on this medium are typically incubated at appropriate temperatures for the isolation and identification of fungal species. The resulting fungal colonies can be examined, studied, and identified for various research, clinical, and diagnostic purpose.

---

## **Composition**

Peptic digest of Animal Tissue - 5g/L,  
Pancreatic digest of Casein - 5g/L,  
Dextrose - 40g/L,  
Agar - 15g/L  
Lecithin – 0.7g/L  
Tween 80 - 5 ml/L

---

**Storage:** 2-25°C

**Appearance:** light amber

**pH Range:** 5.4 - 5.8

**Gamma Irradiation (kGy) Range:** 7 – 15

**Package contents:** 10 plates in a package

**Exp. Date:** Printed on label and on the item.

**Required materials not supplied:** Laboratory equipment as required.

**Warning and Precautions** - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Petri dishes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

If excessive moisture is observed, invert the bottom over an off-set lid and allow to air dry in order to prevent formation of a seal between the top and bottom of the plate during incubation. Storage Instructions: On receipt, store plates in the dark at 2–8 °C. Avoid freezing and overheating. Do not open until ready to use.

#### Waste Disposal

After interpretation all items should be destroyed by standard incineration methods.

#### Performance Testing Results:

Spreading from estimated inoculum 10-100 cfu.

TEST	ATCC	Incubation Temp.(°C)	Incubation Cond.	Reaction 1	Recovery (%)
<i>Candida albicans</i>	10231	20-25 °C	Aerobic, 3-5 days	Pass	70-200
<i>Penicillium expansum</i>	7861	20-25 °C	Aerobic, 3-5 days	Pass	70-200
<i>Aspergillus brasiliensis</i>	16404	20-25 °C	Aerobic, 3-5 days	Pass	70-200

#### Neutralizer's Effectiveness Test:

Disinfectant: Glyoxal 1.2% glutardialdehyde 0.05% didecyl-dimethyl-ammonium chloride 0.75%

TEST	ATCC	Incubation Temp.(°C)	Incubation Cond.	Reaction
<i>Candida albicans</i>	10231	20-25 °C	Aerobic, 3-5 days	Confluent growth
<i>Penicillium expansum</i>	7861	20-25 °C	Aerobic, 3-5 days	Confluent growth
<i>Aspergillus brasiliensis</i>	16404	20-25 °C	Aerobic, 3-5 days	Confluent growth