

## Product Data Sheet

### **KIMMIG FUNGI AGAR BASE**

**Product No.** GB-DCM-00255-1A

### **INTENDED USE**

For isolation, identification and cultivation of fungi.

### **PRODUCT SUMMARY**

Kimmig Fungi Agar is prepared as described by Kimmig and Rieth for cultivation, isolation, identification and strain preservation of fungi. Fungi identification is usually carried out by examining the hyphae or spores formed by fungi on the medium plates. Rieth later stated that this medium promotes the development of growth forms, which are used as important characteristic criteria in identification. Kimmig Fungi Agar Base is used as a base for preparation of selective agars for isolation of fungi from heavily contaminated materials. George et al suggested addition of cycloheximide, penicillin and streptomycin while Hantschke suggested the use of colistin and novobiocin.

### **Product Specifications**

<b>Ingredients</b>	<b>Gms / Ltr</b>
Peptone	15.000
Sodium chloride	1.000
Dextrose (Glucose)	19.000
Cycloheximide	0.400
Agar	15.000

### **PRINCIPLE**

The medium contains peptone, which provides the necessary nitrogenous and carbonaceous nutrients, long chain amino acids, vitamins for the growth of fungi. Dextrose is the fermentable carbohydrate and energy source. Glycerol serves as the carbon source.

### **INSTRUCTION FOR USE**

- Dissolve 50.40 grams in 1000 ml purified/distilled water, containing 5ml glycerol.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C and aseptically add reconstituted contents of two vials of Kimmig Selective Supplement or two vials of George Kimmig Selective Supplement.
- Mix well and pour into sterile Petri plates

### QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Cream to yellow homogeneous free flowing powder.

Appearance of prepared medium: Light yellow coloured, clear to slightly opalescent gel forms in Petri plates.

pH (at 25°C) : 6.5 ± 0.2

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Aspergillus niger	16404	50-100	Luxuriant	≥70%	25-30°C	48-72 Hours
Candida albicans	10231	50-100	Luxuriant	≥70%	25-30°C	48-72 Hours
Pencillium notatum	10108	50-100	Luxuriant	≥70%	25-30°C	48-72 Hours
Trichophyton mentagrophytes	9533	50-100	Luxuriant	≥70%	25-30°C	48-72 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.**