



Product Data Sheet

ASCOSPORE AGAR

Product No. GB-DCM-00044-1A

INTENDED USE

For detection of ascosporegenous yeasts.

Product Description

Ascospore Agar is recommended for the enrichment and detection of ascospores in ascosporegenous yeasts such as *Saccharomyces cerevisiae*. It is based on the formula developed by McClary et al. Ascospore Agar is the modification of McClary medium with the addition of potassium acetate in place of sodium acetate. Acetate salt of potassium was found to be superior to sodium salt for sporulation in *Saccharomyces*.

Product Specifications

Ingredients	Gms / Ltr
Yeast extract	2.500
Glucose (Glucose)	1.000
Potassium acetate	10.000
Agar	30.000

PRINCIPLE

Dextrose and yeast extract provide the nutrients required for the growth and also stimulate ascospore formation in yeasts. Slightly acidic pH of the medium favours the growth of *Saccharomyces cerevisiae*.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium: Medium amber coloured clear to slightly opalescent gel forms in Petri plates.
PH (at 25°C): 6.4±0.2

Microorganism	ATCC	Inoculum (CFU)	Growth	Recovery	Ascospores	Incubation Temperature	Incubation Period
Enterobacter sakazakii	12868	50-100	Good-Luxuriant	>=70%	Negative	25-30°C	3-6 Days
Enterobacter aerogenes	13048	50-100	Good-Luxuriant	>=70%	Positive	25-30°C	3-6 Days

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.

Precautions and Disclaimer

- Suspend 43.50 grams in 1000 ml purified/distilled water.
- Heat if necessary to dissolve the medium completely.
- Mix well and pour into sterile Petri plates.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 10 minutes.

This product is for research use only.