MYCOLOGICAL AGAR, LOW pH

INTENDED USE
Remel Mycological Agar, Low pH is a solid medium recommended for use in qualitative procedures for the cultivation of fungi.

SUMMARY AND EXPLANATION
Mycological Agar, Low pH is an excellent basal medium for the growth, isolation, and identification of fungi. Adjustment of the pH to 4.8 allows for the selective isolation of fungi by eliminating most contaminating bacteria. Wetzler et al. used Mycological Agar (Low pH) for enumeration of yeasts and molds in poultry processing plants.[1] Mycological Agar, Low pH is recommended for use in the isolation of yeasts and molds in beverages, sugars, and other foodstuffs.[2]

PRINCIPLE
Soy peptone provides nitrogen, amino acids, and peptides necessary for the growth of fungi. Dextrose supplies a carbon source of energy. Agar is the solidifying agent. The low pH allows yeast, molds, and aciduric bacteria to grow.

REAGENTS (CLASSICAL FORMULA)*

Dextrose	10.0 g	Agar	15.0 g
Soy Peptone	10.0 g	Demineralized Water	1000.0 ml

pH 4.8 ± 0.2 @ 25°C

*Adjusted as required to meet performance standards.

PRECAUTIONS
This product is For Laboratory Use only. It is not intended for use in the diagnosis of disease or other conditions.

PREPARATION OF DEHYDRATED CULTURE MEDIUM
1. Suspend 35 g of medium in 1000 ml of demineralized water.
2. Heat to boiling with agitation to completely dissolve. **Do not overheat.**
3. Sterilize by autoclaving at 121°C for 15 minutes or following established laboratory procedures.
4. Dispense into appropriate containers.

PROCEDURE
1. Consult current editions of appropriate references for the recommended procedure for sample preparation, inoculation, and testing.

QUALITY CONTROL
Each lot number of Mycological Agar, Low pH has been manufactured, packaged, and processed in accordance with current Good Manufacturing Practice regulations. All lot numbers have been tested using the following quality control organisms and found to be acceptable. Testing of control organisms should be performed in accordance with established laboratory quality control procedures.

CONTROL	INCUBATION	RESULTS
Aspergillus brasiliensis ATCC® 16404	Aerobic, up to 72 h @ 25-30°C	Growth
Candida albicans ATCC® 10231	Aerobic, up to 72 h @ 25-30°C	Growth
Cryptococcus neoformans ATCC® 34877	Aerobic, up to 72 h @ 25-30°C	Growth
Trichophyton mentagrophytes ATCC® 9533	Aerobic, up to 72 h @ 25-30°C	Growth

BIBLIOGRAPHY

1. Wetzler, T.F., P. Musick, H. Johnson, and W.A. MacKenzie. 1962. Am. J. Public Health. 52:460-472.
2. MacFaddin, J.F. 1985. Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria. Vol. 1. Williams & Wilkins, Baltimore, MD.

Refer to the front of Remel *Technical Manual of Microbiological Media* for **General Information** regarding precautions, product storage and deterioration, specimen collection, storage and transportation, materials required, quality control, and limitations.

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