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P1426 2% MALT EXTRACT AGAR

INTENDED USE:

Malt Extract is used for isolating and cultivating yeast and molds from food and for cultivating yeast and mold stock cultures.

SUMMARY:

Malt Extract is a clarified water soluble extract of malted barley. Due to the high concentration of carbohydrates, especially maltose, it is widely used in culture media for the propagation of yeasts and molds. The approximate percentage of reducing sugars in Malt Extract is 60-63%. A concentration of Malt Extract in culture media is generally 10-100 grams per liter.

Malt agar, which contains Malt Extract, is a recommended medium for the detection and isolation of yeast and mold from dairy products, food and is used for stock cultures.

PRINCIPLE:

Malt Agar contains malt extract which provides the carbon, protein nutrient sources required for organism growth. Agar is the solidifying agent. The acid pH of Malt Agar provides optimal growth for yeast and molds while inhibiting other bacterial growth.

FORMULA:

COMPONENTS PER LITER OF PURIFIED WATER	QUANTITY /L
MALT EXTRACT	20 G
AGAR	18 G
PURIFIED WATER	1 L

pH 5.3 ± 0.2

PRECAUTIONS:

For laboratory use only

STORAGE:

This media should be stored at 2-8°C, do not use beyond the expiration date. Protect from freezing and/or overheating.

PROCEDURE:

Refer to appropriate references for specific procedures using Malt Extract.

RESULTS:

Refer to appropriate references and procedures for results.

QUALITY CONTROL:

Malt Extract Agar should appear clear, slightly opalescent, and light to medium amber in color.

ORGANISMS	RESULTS
ATCC# 16404 <i>Aspergillus brasiliensis</i>	Growth
ATCC# 10231 <i>Candida albicans</i>	Growth

Refer to appropriate regulatory agency for user QC requirements.

REFERENCES:

Acumedia #7341 Product Information Sheet Rev 02, April 2009
BD Difco & BBL Manual 2003, Pages 341-342