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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
MALT EXTRACT LP0039		

MALT EXTRACT

LP0039

Description

A diastase-free extract of malt, dried at low temperature in order to conserve nitrogenous and carbohydrate constituents. This extract is a valuable nutrient for use in mycological media.

Physical Characteristics

Appearance	Straw, free-flowing powder
Colour on reconstitution	Straw 1
pH (25°C) (3% soln.)	5.4 ± 0.4
Clarity (2% soln.)	Hazy with particles present
Loss on drying	Less than or equal to 5.0%

Chemical Characteristics

Formal nitrogen	Less than or equal to 0.5%
Total nitrogen	Less than or equal to 1.5%

Microbiological Characteristics

Incorporate malt extract into Malt Extract Agar (CM0059). Bring to the boil to dissolve. Sterilize by autoclaving at 115°C for 10 minutes. Mix gently and pour into sterile Petri dishes. Inoculate with the following Quality Control organisms:

Microbiological Tests using Optimum Inoculum Dilution

Medium is challenged with 10-100 colony-forming units.

Reactions after incubation at 25°C for 5 days

<i>Saccharomyces carlsbergensis</i> ATCC®2700	1-4mm cream colonies
<i>Candida albicans</i> ATCC®10231	1-4mm cream colonies
<i>Penicillium chrysogenum</i> ATCC®9179	Greater than 10mm colonies, white mycelia, green spores
<i>Aspergillus brasiliensis</i> ATCC®16404	Greater than 10mm colonies, white mycelia, black spores

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Physical Characteristics	Addition of clarity	Change control	MOC-2022-0842