



Wild Yeast Medium

M1849

Wild Yeast Medium is used for the detection of *Saccharomyces* wild yeast.

Composition**

Ingredients	Gms / Litre
Peptic digest of animal tissue	5.000
Yeast extract	3.000
Malt extract	3.000
Dextrose	10.000
Basic fuchsin	0.470
Sodium sulphite	2.920
Dextrin	0.110
Crystal violet	0.001
Agar	20.000
Final pH (at 25°C)	6.9±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 44.50 grams in 1000 ml distilled water. Boil with constant stirring for 15 minutes. DO NOT AUTOCLAVE. Cool to 45°C and pour into sterile plates. Efficacy of the plates can be improved by incubating them to 30°C for 18 hours before use.

Caution: Basic fuchsin is a potential carcinogen and care should be taken to avoid inhalation of the powdered dye and contamination of the skin .

Principle And Interpretation

Wild Yeast Medium is used for the detection of *Saccharomyces* wild yeast. Malt extract, peptic digest of animal tissue and yeast extract provide necessary nutrients to support the growth of yeasts. Dextrose is the suitable carbohydrate for the growth of yeasts. Sodium sulphite and basic fuchsin inhibit the gram-positive microorganisms.

The prepared plates darken during incubation. Wild yeasts form pink colonies which may be smooth, mucoid or wrinkled. Brewing yeasts forms a thin haze of micro colonies which blend with the colour of the medium.

Quality Control

Appearance

Pinkish purple to purple homogeneous free flowing powder

Gelling

Firm, comparable with 2.0% agar gel.

Colour and Clarity

Light pink coloured clear to slightly opalescent gel forms in Petri plates.

Reaction

Reaction of 4.45% aqueous solution at 25°C. pH : 6.9±0.2

Cultural Response

M1849: Cultural response observed at 30°C for upto 4 days.(colour of plates darkens during incubation).

Organism	Inoculum (CFU)	Growth	Recovery	Colour of Colony
<i>Candida albicans</i> ATCC 10231	50-100	luxuriant	≥50%	white to light pink raised colonies

<i>Candida krusei</i> ATCC 24408	50-100	luxuriant	$\geq 50\%$	pink, rough, flat colonies
<i>Saccharomyces cerevisiae</i> ATCC 9763	50-100	luxuriant	$\geq 50\%$	pink colonies

Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium at 2-8°C. Use before expiry date on the label.

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