

MAST® Culture Media and Supplements

Technical Information Sheet

Product Code DM 200



Sabouraud Dextrose Agar

For the cultivation of fungi.

1. Description

MAST Sabouraud Dextrose Agar is a modification of the dextrose agar described by Sabouraud.¹ The high D-glucose content and acid pH are selective for fungi, yeasts, aciduric and acidophilic bacteria. Tellurite, bile salts and various dyes have been added to MAST Sabouraud Dextrose Agar to make

the medium more selective for pathogenic fungi. Antibiotics have been found to be more useful selective agents. However, not all fungi are resistant to the antibiotics which have been used, e.g. cyclohexamide, penicillin and streptomycin.

2. Technical Formula*

Formula	grams per litre
Peptone	10.0
Agar	12.0
D-Glucose	40.0
pH approx.5.3	

4. References

1. Sabouraud R. *Les Teignes* 1910; Masson, Paris.

3. Directions

1. Suspend by swirling 62g of powder in 1 litre or the contents of the sachet with thorough mixing in the stated volume of distilled or deionised water.

2. Autoclave at 121°C (15p.s.i.) for 15 minutes DO NOT OVERHEAT. Overheating destroys the glucose.

3. Mix well before pouring. Streptomycin, at a final strength of 30µg per ml, and penicillin at a final strength of 20 units per ml may be added to the sterilised medium, aseptically, at a temperature of about 50°C. Alternatively MAST® Chloramphenicol Selectavial (SV54) may be added to the medium before or after sterilisation, to make it more selective.

4. Should it be necessary to re-melt the medium, care should be taken to use the minimum amount of heat necessary.



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*Formulation may be modified to meet performance criteria

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