PP2029 SABOURAUD AGAR + CHLORAMPHENICOL + GENTAMICIN AGAR PLATE



FORMULA

Mycological Peptone	10.0	gm per litre
Dextrose	40.0	
Agar No. 1	15.0	
Agar No. 3	2.0	
Chloramphenicol	240.0	mg
Gentamicin	28.0	

pH 5.6 ± 0.2

* Formulation may be adjusted and/ or supplemented to meet performance criteria

DESCRIPTION

Carlier showed that this medium gives reliable results with ***Microsporum audouini, M. canis, Trichophyton mentagrophytes, T. flavum, T. rubrum*** and ***Candida albicans***. Sabouraud Dextrose Agar may be used in place of the Standard American medium of Hodges. The fungi maintain their typical cultural appearance and thus may be readily identified according to the standard macroscopic characters described by Sabouraud (1).

The addition of chloramphenicol and gentamicin makes this medium particularly useful for the primary isolation of yeasts (2).

QUALITY CONTROL

ORGANISMS: ***C. albicans*** MVQC 0007 (ATCC™ 10231), ***T. mentagrophytes*** MVQC 0104, ***A. brasiliensis**** MVQC 0018 (ATCC™ 16404), ***E. coli*** MVQC 0004 (ATCC™ 25922), ***P. mirabilis*** MVQC 0008 (ATCC™ 12453), ***S. aureus*** MVQC 0003 (ATCC™ 25923), ***S. cerevisiae*** MVQC 0087 (ATCC™ 2601).

SAMPLE NUMBER: Sterility sample size is determined in accordance with ASM Guidelines (3).

STERILITY: Sampled plates incubated at 23°C for 7 days after which they are examined for sterility.

INOCULUM: As described in TFS MBD QSP 1105, inoculate the specified test organisms onto the media using Working Culture B ($\leq 10^2$ cfu) or Working Culture A ($\geq 10^4$ cfu).

Trichophyton - Remove a piece of thallous from the working culture and partially bury into the agar.

Aspergillus - With a sterile swab remove spores from the working culture and spread across the surface of the plate.

INCUBATION: Up to 7 days / 27ºC/ aerobically for bacterial cultures.

Up to 10 days / 27°C /aerobically for fungal and yeast cultures.

* formerly ***Aspergillus niger*** (4).

EXPECTED RESULTS:

C. albicans	4 - 5+ white colonies using Working Culture B
T. mentagrophytes	Growth, white fluffy colonies
A. brasiliensis*	Growth, black colonies
E. coli	<1+ inhibited using Working Culture A
P. mirabilis	<1+ inhibited using Working Culture A
S. aureus	<1+ inhibited using Working Culture A
S. cerevisiae	Growth, white colonies

ALSO CHECKED AND RECORDED:

1. Batch number correct
2. Colour
3. Clarity
4. Gel strength
5. Final pH 5.6 ± 0.2
6. Sterility
7. Correctly Labelled - SAB + ANTI

STORAGE

A shelf life of 13 weeks applies when this product is stored at 2° - 8°C in its original packaging.

Store plates away from direct sunlight and overhead lighting

REFERENCES

1. Bridson, E.Y. The Oxoid Manual, 9th Edition. 2006. Oxoid Limited, Basingstoke.
2. Ellis D., S. Davis, H. Alexiou, T. Pfeiffer, and Z. Manatakis. *Descriptions of Medical QAP Fungi*. 1992. Gillingham Printers, Australia.
3. *Guidelines for Assuring Quality of Medical Microbiological Culture Media*. 2nd edition 2012. Culture Media Special Interest Group, Australian Society for Microbiology
4. ATCC website www.atcc.org