PP2137 WLNA AGAR PLATE

FORMULA

Yeast Extract	4.0	gm per litre
Tryptone	5.0	
Glucose	50.0	
Potassium Dihydrogen Phosphate	0.55	
Potassium Chloride	0.425	
Calcium Chloride	0.125	
Magnesium sulphate	0.125	
Ferric Chloride	0.0025	
Manganese Sulphate	0.0025	
Bromocresol Green	0.022	
Tween 80	1.0	
Agar	15.0	

pH 5.5 ± 0.2
* Formulation may be adjusted and/ or supplemented to meet performance criteria

DESCRIPTION (1)

This medium is based on the formulation of Green and Gray developed for the enumeration of microbiological flora in brewing and fermentation products. It may also be employed for the differentiation of "wild" and brewing yeasts.

QUALITY CONTROL

ORGANISMS: ***Saccharomyces*** "J" MVQC 0069, ***Brettanomyces*** **spp.**. MVQC 0071, ***E. coli*** MVQC 0004 (ATCC™ 25922).

SAMPLE NUMBER: Sample size is determined in accordance with ASM Guidelines (2).

STERILITY: Those plates not used for bacteriological testing and other quality assurance procedures must be incubated at 23°C for 7 days after which they are examined for sterility.

INOCULUM: ***Brettanomyces*** **sp.**: - inoculate plates with a standard 2mm loopful of 36 hour sabouraud broth culture (containing approx. 10^8 organisms per mL.) Fractionate plates.

Saccharomyces"J". and ***E. coli***: - Inoculate plates with 0.1 mL of a 36 hour broth culture containing approx. 10^8 organisms per mL. Spread inoculum over the surface of the plate.

INCUBATION: 5 days / 30°C / aerobically.

EXPECTED RESULTS:

E. coli	4 – 5+ Growth
Saccharomyces "J"	4 – 5+ Growth
Brettanomyces **spp.**.	4 – 5+ Growth

ALSO CHECKED AND RECORDED:

1. Batch number correct
2. Colour
3. Clarity
5. Gel strength
5. Final pH 5.5 ± 0.2
6. Sterility
7. Correctly labelled - WLNA

STORAGE:

A shelf life of 10 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. *Guidelines for Assuring Quality of Medical Microbiological Culture Media*. 2nd edition 2012. Culture Media Special Interest Group, Australian Society for Microbiology