

Limitations :

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Gelling

Firm,comparable with 1.5% Agar gel

Colour and Clarity of prepared medium

Basal medium :Light amber coloured clear to very slightly opalescent gel. After addition of 5% v/v sterile blood : Cherry red opaque gel forms in Petri plates

Reaction

Reaction of 5.0% w/v aqueous solution at 25°C. pH : 7.3±0.2

pH

7.10-7.50

Cultural Response

Cultural characteristics observed in aerobic atmosphere with added L.mono selective supplement (FD305) and 5% v/v sterile defibrinated blood, after an incubation at 35-37°C for 24-48 hours.

Cultural Response

Organism	Inoculum (CFU)	Growth	Recovery	Haemolysis
Cultural Response <i>Listeria monocytogenes</i> ATCC 19112	50-100	good-luxuriant	≥50%	narrow haemolytic zone
<i>Listeria monocytogenes</i> ATCC 19117	50-100	good-luxuriant	≥50%	narrow haemolytic zone
<i>Listeria monocytogenes</i> ATCC 19111	50-100	good-luxuriant	≥50%	narrow haemolytic zone
<i>Listeria ivanovii</i> ATCC 19119	50-100	good-luxuriant	≥50%	wide haemolytic zone
<i>Listeria innocua</i> ATCC 33090	50-100	good-luxuriant	≥50%	no haemolysis
<i>Enterococcus faecalis</i> ATCC 29212	≥10 ³	inhibited	0 %	
<i>Pseudomonas aeruginosa</i> ATCC 27853	50-100	none-poor	0 -10 %	
<i>Proteus mirabilis</i> ATCC 25933	50-100	none-poor	0 -10 %	

Reference

- Bille, J. (1990) Epidemiology of human listeriosis in Europe with specila reference to the Swiss outbreak. In Miller, A.J., Smit, J.L. and Somtukti, G.A.(ed.) Foodborne Listeriosis. Elsevier, Amsterdam, pp.71-74.
- Johansson, T., Kankare, M. (1996) Comparison of three selective plating media for the isolation of *Listeria monocytogenes* from fresh broiler cuts. In SLU (ed.) IUFoST Symposium of food Associated pathogens, 6-8 May, 1996, Uppsala, Sweden. Proceedings of the Symposium of Food associated pathogens, pp.228-229.

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