

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

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|--|---------------------|---|--------------------------------|-----------|----------------|---------------|
| B912 | ACETATE AGAR | | | | | |
| Formula | | | | | | |
| Ingredients: | | | gms/lit. | | | |
| Peptic digest of animal tissue | | | 5.00 | | | |
| Yeast extract | | | 5.00 | | | |
| Meat extract | | | 5.00 | | | |
| Dextrose | | | 10.00 | | | |
| Polysorbate 80 (Tween 80) | | | 0.50 | | | |
| Sodium acetate .3H ₂ O | | | 27.22 | | | |
| Agar | | | 20.00 | | | |
| Final pH (at 25°C): 5.4 ± 0.2 | | | | | | |
| Directions: | | | | | | |
| Suspend 61.9 grams (the equivalent weight of dehydrated medium per litre) of dehydrated medium in 1000 ml purified / distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Cool to 45-50°C. Mix well and pour into sterile Petri plates. | | | | | | |
| Principle: | | | | | | |
| Peptic digest of animal tissue, yeast extract, meat extract provides all essential growth nutrients. Polysorbate 80 maintains the surface tension of the medium to the optimal level. Glucose is the energy source. Sodium acetate serves as a sole source of carbon. | | | | | | |
| QC Tests - (I) Dehydrated Medium | | | | | | |
| Colour: | | Light yellow to beige | | | | |
| Appearance: | | Homogeneous Free Flowing powder | | | | |
| (II) Rehydrated medium | | | | | | |
| pH (post autoclaving/heating): | | 5.4 ± 0.2 | | | | |
| Colour (post autoclaving/heating): | | Yellow | | | | |
| Clarity (post autoclaving/heating): | | Clear to slightly opalescent | | | | |
| (III) Q.C. Test Microbiological | | | | | | |
| Cultural characteristics observed after an incubation at 25-30°C for 18-48 hours. | | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | | | |
| Leuconostoc mesenteroides (12291) | | Good -luxuriant | | | | |
| Pediococcus acidilactici (33314) | | Good -luxuriant | | | | |
| Enterococcus faecalis (29212) | | None - poor | | | | |
| Precautions : | | 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. | | | | |
| Limitations : | | 1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. | | | | |
| Use: | | For the isolation and cultivation of Leuconostoc and Pediococcus species. | | | | |
| Storage: | | Dehydrated medium and Prepared medium- Between 2 to 8°C. | | | | |
| Packing: | | 500 gm. bottle | | | | |
| Product profile: | | Reconstitution | Quantity on Preparation (500g) | pH (25°C) | Supplement | Sterilization |
| B912 | 61.90 g/l | 8.07 L | 5.4 + 0.2 | Nil | 121°C /15 min. | |

Disclaimer:

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related BIOMARKLABORATORIES publications.

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