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|--|---|---------------------------------|-----------|----------------------|-------------------|
| B860 | M7 Hr FC AGAR | | | | |
| Formula | | | | | |
| Ingredients : | | gms/lit. | | | |
| Peptone | | 5.00 | | | |
| Yeast extract | | 3.00 | | | |
| Lactose | | 10.00 | | | |
| D-Mannitol | | 5.00 | | | |
| Sodium chloride | | 7.50 | | | |
| Sodium lauryl sulphate | | 0.20 | | | |
| Sodium deoxycholate | | 0.10 | | | |
| Bromocresol purple | | 0.35 | | | |
| Phenol red | | 0.30 | | | |
| Agar | | 15.00 | | | |
| Final pH (at 25°C) : 7.3 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 46.45 gms. in 1000 ml. distilled water Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. | | | | | |
| Principle : | | | | | |
| Peptone and yeast extract act as the source of nutrients. Lactose and mannitol are carbohydrates. Sodium chloride maintains osmotic equilibrium. Sodium lauryl sulphate and sodium deoxycholate inhibit gram positive organisms. Bromocresol purple and Phenol red make pH indicator system. | | | | | |
| QC Tests - (I) Dehydrated Medium | | | | | |
| Colour : | | Pinkish red | | | |
| Appearance : | | Homogeneous Free Flowing powder | | | |
| (II) Rehydrated medium | | | | | |
| pH (post autoclaving/heating) : | | 7.3 ± 0.2 | | | |
| Colour (post autoclaving/heating) : | | Purple | | | |
| Clarity (post autoclaving/heating) : | | Slightly opalescent | | | |
| (III) Q.C. Test Microbiological | | | | | |
| Cultural characteristics observed after 18-48 hrs. at 35-37°C. | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | COLOUR OF THE COLONY | |
| Escherichia coli (25922) | | Luxuriant | | Yellow | |
| | | | | | |
| | | | | | |
| | | | | | |
| 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 : | Recommended for examination of water and waste water. | | | | |
| Storage : | Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C. | | | | |
| Packing : | 500 gm. bottle | | | | |
| Product profile: | Reconstitution | Quantity on Preparation (500g) | pH (25°C) | Supplement | Sterilization |
| B860 | 46.45g/l | 10.76L | 7.3 ± 0.2 | NIL | DO NOT AUTOCLAVE. |

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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