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|---|--|---|--------------------------------|----------------------------------|--|------------------|
| B870 | M-FC AGAR MODIFIED FOR KLEBSIELLA | | | | | |
| Formula | | | | | | |
| Ingredients : | | | | | | |
| | | gms/lit. | | | | |
| Tryptose | | 10.00 | | | | |
| Proteose peptone | | 5.00 | | | | |
| Yeast extract | | 3.00 | | | | |
| Sodium chloride | | 5.00 | | | | |
| Inositol | | 10.00 | | | | |
| Bile salt mixture | | 1.50 | | | | |
| Aniline blue | | 0.10 | | | | |
| Agar | | 15.00 | | | | |
| Final pH (at 25°C) : 7.4 ± 0.2 | | | | | | |
| Directions : | | | | | | |
| Suspend 49.6 gms. in 1000ml distilled water. Heat to boiling to dissolve the medium completely. DO NOT AUTOCLAVE. Add 10ml of 1% Rosolic acid. Cool below 45°C and add 50mg Carbenicillin. Mix well and pour into sterile petri plates. | | | | | | |
| Principle : | | | | | | |
| Tryptose, proteose peptone, yeast extract provide nitrogenous compounds, sulphur, vitamins and other nutrients. Inositol is the fermentable carbohydrate. Bile salts mixture inhibits gram – positive organisms. | | | | | | |
| QC Tests - (I)Dehydrated Medium | | | | | | |
| Colour : | | Yellow | | | | |
| Appearance : | | Homogeneous Free Flowing powder | | | | |
| (II)Rehydrated medium | | | | | | |
| pH (post autoclaving/heating) : | | 7.4 ± 0.2 | | | | |
| Colour (post autoclaving/heating) : | | With addition of Rosolic acid : Red | | | | |
| Clarity (post autoclaving/heating) : | | Slightly opalescent | | | | |
| (III)Q.C. Test Microbiological | | | | | | |
| Cultural characteristics observed after 24 hrs.at 35-37°C. | | | | | | |
| MICROORGANISM (ATCC) | | GROWTH | | COLOUR OF COLONY | | |
| Klebsiella pneumoniae (13883) | | Good - luxuriant | | Deep blue to blue grey | | |
| Enterobacter aerogenes (13048) | | Good - luxuriant | | Pink or occasionally pale yellow | | |
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| 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 rapid enumeration of Klebsiella using membrane filter technique. | | | | |
| Storage : | | Dehydrated medium- below 30°C Prepared medium- Freshly prepared. | | | | |
| Packing : | | 500 gm bottle | | | | |
| Product profile: | | Reconstitution | Quantity on Preparation (500g) | pH (25°C) | Supplement | Sterilization |
| B870 | | 49.6g/l | 10.08L | 7.4 ± 0.2 | 1% Rosolic acid 50mg Carbenicillin | 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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