

**BIOMARK Laboratories-INDIA**

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**TECHNICAL SHEET**

|  |  |                              |            |               |                    |
|--|--|------------------------------|------------|---------------|--------------------|
| <b>B1120</b>   | <b>NUTRIENT AGAR W/O SODIUM CHLORIDE</b> |                              |            |               |                    |
| <b>Formula</b>   |  |                              |            |               |                    |
| <b>Ingredients :</b>   |  | <b>gms/lit.</b>              |            |               |                    |
| Peptic digest of animal tissue   |  | 5.00                         |            |               |                    |
| Meat extract B#  |  | 3.00                         |            |               |                    |
| Agar   |  | 15.00                        |            |               |                    |
| # - Equivalent to Beef extract   |  |                              |            |               |                    |
| Final pH (at 25°C) : 7.3 ± 0.2   |  |                              |            |               |                    |
| <b>Directions :</b>  |  |                              |            |               |                    |
| Suspend 23 gms. in 1000 ml. distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.   |  |                              |            |               |                    |
| <b>Principle :</b>   |  |                              |            |               |                    |
| This Nutrient Agar w/o NaCl is a relatively simple formulation containing Meat extract B and peptic digest of animal tissue which can support the growth of nonfastidious microorganisms. Agar is the solidifying agent. |  |                              |            |               |                    |
| <b>QC Tests – (I) Dehydrated Medium</b>  |  |                              |            |               |                    |
| Colour :   |  | Cream to light yellow        |            |               |                    |
| Appearance :   |  | Coarse Free Flowing powder   |            |               |                    |
| <b>(II) Rehydrated medium</b>  |  |                              |            |               |                    |
| pH (post autoclaving/heating):   |  | 7.3 ± 0.2                    |            |               |                    |
| Colour (post autoclaving/heating) :  |  | Light amber to light yellow  |            |               |                    |
| Clarity (post autoclaving/heating) :   |  | Clear to slightly opalescent |            |               |                    |
| <b>(III) Q.C. Test Microbiological</b>   |  |                              |            |               |                    |
| Cultural characteristics observed after 18 –24 hrs. at 35-37°C.  |  |                              |            |               |                    |
| MICROORGANISM (ATCC )  |  | GROWTH                       |            |               |                    |
| Enterobacteraerogenes (13048)  |  | Luxuriant                    |            |               |                    |
| Escherichia coli (25922)   |  | Luxuriant                    |            |               |                    |
| Salmonella typhimurium (14028)   |  | Luxuriant                    |            |               |                    |
| Klebsiellapneumoniae (13883 )  |  | Luxuriant                    |            |               |                    |
| Enterococcus faecalis (29212)  |  | Luxuriant                    |            |               |                    |
| <b>Precautions :</b>   |  |                              |            |               |                    |
| 1. For Laboratory Use.   |  |                              |            |               |                    |
| 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials.   |  |                              |            |               |                    |
| <b>Limitations :</b>   |  |                              |            |               |                    |
| 1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.  |  |                              |            |               |                    |
| <b>Use :</b>   |  |                              |            |               |                    |
| As general purpose medium for the cultivation of microorganisms.   |  |                              |            |               |                    |
| <b>Storage :</b>   |  |                              |            |               |                    |
| Dehydrated medium- below 30°C Prepared medium- Between 2 to 8°C.   |  |                              |            |               |                    |
| <b>Packing :</b>   |  |                              |            |               |                    |
| 500 gm. bottle   |  |                              |            |               |                    |
| <b>Product profile:</b>  |  |                              |            |               |                    |
| Reconstitution   | Quantity on Preparation (500g)           | pH (25°C)                    | Supplement | Sterilization |                    |
| <b>B1120</b>   | 23g/l                                    | 21.739L                      | 7.3 ± 0.2  | NIL           | 121°C / 15 minutes |

**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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