

BIOMARK Laboratories-INDIA

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TECHNICAL SHEET

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|--|---|---|-----------|------------|--------------------------|
| BH039 | | SOYABEAN CASEIN DIGEST AGAR (TRYPTONE SOYA AGAR) | | | |
| Formula | | | | | |
| Ingredients : | | Gms/lit. | | | |
| Pancreatic digest of Casein | | 15.00 | | | |
| Papaic digest of soyabean meal | | 5.00 | | | |
| Sodium chloride | | 5.00 | | | |
| Agar | | 15.00 | | | |
| Final pH (at 25°C) : 7.3 ± 0.2 | | | | | |
| Directions : | | | | | |
| Suspend 40 gms. In 1000 ml distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes i.e. validated cycle. | | | | | |
| Principle : | | | | | |
| The combination of Casein enzymic hydrolysate and papaic digest of soyabean meal makes these media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Dextrose and dipotassium phosphate serves as the carbohydrate source and the buffer in the medium. Sodium chloride maintains osmotic balance in both the media. Agar is the solidifying agent | | | | | |
| QC Tests – (I)Dehydrated Medium | | | | | |
| | Colour : | Cream to yellow | | | |
| | Appearance : | Homogeneous Free Flowing powder | | | |
| (II)Rehydrated medium | | | | | |
| | pH (post autoclaving/heating) : | 7.3 ± 0.2 | | | |
| | Colour (post autoclaving/heating) : | a) Cream to light yellow b) After addition of blood : Cherry red | | | |
| | Clarity (post autoclaving/heating) : | a) Clear slightly opalescent b) Opaque | | | |
| (III)Q.C. Test Microbiological | | | | | |
| | Cultural characteristics observed after 18 - 48 hrs. at 35 – 37°C. | | | | |
| | MICROORGANISM (ATCC) | growth | | | |
| | Candida albicans (10231) | Luxuriant | | | |
| | Streptococcus pyogenes (19615) | Luxuriant | | | |
| | Bacillus subtilis (6633) | Luxuriant | | | |
| | Bacteroides vulgatus (8482) | Luxuriant | | | |
| | Neisseria meningitides (13090) | Luxuriant | | | |
| Precautions : | 1. For Laboratory Use. 2. Follow proper, established laboratory procedures in handling and disposing of infectious materials. | | | | |
| Limitations : | Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium. | | | | |
| Use : | Recommended as a general purpose medium used for cultivation of a wide variety of microorganisms from pharmaceutical products in accordance with harmonized method of USP/EP/BP/JP/IP | | | | |
| Storage : | Dehydrated medium- below 30 ° C Prepared mediums– Between 2 to 8°C. | | | | |
| Packing : | 500 gm. Bottle | | | | |
| Product profile: | Reconstitution | Quantity on Preparation (500g) | pH (25°C) | Supplement | Sterilization |
| BH039 | 40.0 g/l | 12.5 L | 7.3 ± 0.2 | Nil | 121 ⁰ C/15min |

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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