

**TECHNICAL SHEET**

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|--|---|--|
| <b>AS010</b>   | <b>Sabouraud Dextrose Agar Slant</b>                        |  |
| <b>Formula</b>   |   |  |
| <b>Ingredients:</b>  | <b>gms/lit.</b>   |  |
| Mycological peptone  | 10.00   |  |
| Dextrose   | 40.00   |  |
| Agar   | 15.00   |  |
| Final pH (at 25°C): 5.6 ± 0.2  |   |  |
| <b>Directions:</b>   |   |  |
| Streak the test inoculum aseptically into the slant and incubate at appropriate conditions.  |   |  |
| <b>Principle:</b>  |   |  |
| Mycological Peptone provides nitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pH favours fungal growth and inhibits contaminating bacteria from test samples. Some pathogenic fungi may produce infective spores which are easily dispersed in air, so examination should be carried out in safety cabinet. For heavily contaminated samples, the plate must be supplemented with inhibitory agents for inhibiting bacterial growth with lower pH. |   |  |
| <b>(I) QC Tests</b>  |   |  |
| pH:  | 5.6 ± 0.2   |  |
| Color:   | Light Amber coloured medium                                 |  |
| Appearance:  | Sterile Sabouraud Dextrose Agar in disposable slants.       |  |
| <b>(II) Sterility test</b>   | Passes release criteria                                     |  |
| <b>(III) Q.C. Test Microbiological</b>   |   |  |
| Cultural characteristics observed after incubation at 22-28°C for 48-72 hours.   |   |  |
| MICROORGANISM (ATCC)   | GROWTH  |  |
| Candida albicans 10231   | luxuriant   |  |
| Escherichia coli 25922   | luxuriant   |  |
| Lactobacillus casei 9595   | luxuriant   |  |
| Aspergillus niger 16404  | luxuriant   |  |
| Saccharomyces cerevisiae 9763  | luxuriant   |  |
| Trichophyton rubrum 28191  | Luxuriant (further growth may be observed for up to 6 days) |  |

|                      |   |
|----------------------|---|
| <b>Precautions :</b> | 1. In Vitro diagnostic use only.  |
|                      | 2. Read the label before opening the container  |
| <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>          | For cultivation of yeasts, moulds and aciduric microorganisms.  |
| <b>Storage:</b>      | Store between 2-8°C. Use before expiry date on the label.   |
| <b>Packing:</b>      | 10/25 disposable slants.  |

**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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