

PRODUCT INFORMATION

Product Type: Bottle product (100/200/400ml)

Cat No. BP034 - TRYPTIC SOY AGAR

Intended Use:

Tryptic (Trypticase) Soy Agar (TSA) is used for the isolation and cultivation of non-fastidious and fastidious microorganisms. TSA is not recommended as the primary medium for isolating anaerobes. TSA widely used for sterility testing.

Principles and uses:

The combination of casein and soy peptones in TSA renders the medium highly nutritious by supplying organic nitrogen, particularly amino acids and longer-chained peptides. The sodium chloride maintains osmotic equilibrium. Agar is the solidifying agent.

Certifications

AOAC, BAM, CCAM, COMPF, EP, EPA, ISO, JP, SMD, SMWW, USDA, USP

Composition:

Pancreatic digest of Casein 15g/L
Papain digest of Soybean 5g/L
Sodium Chloride 5g/L
Agar 15g/L

Storage: 2°-25°C

Appearance: Light Amber, Slightly Opalescent

pH Range: 7.1 - 7.5

Exp. Date: Printed on label and on the item.

Required materials not supplied: Laboratory equipment as required.

Warning and Precautions:

Warning and Precautions - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Bottles if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Bottles may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

Waste Disposal

After interpretation all items should be destroyed by standard incineration methods.

Performance Testing Results:

GPT: 10-100 cfu (pour plate method*).

					Recovery	
TEST	ATCC	Incubation Temp. (°C)	Incubation Cond.	Reaction 1	Test Count CFU/Plate	Ref. Count CFU/Plate
<i>Staphylococcus aureus</i>	6538	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Bacillus subtilis</i>	6633	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Bacillus cereus</i>	11778	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Listeria monocytogenes 4b</i>	13932	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Clostridium sporogenes</i> *	11437	30-35 °C	Anaerobic, 48 hours	Growth	Growth	Growth
<i>Escherichia coli</i>	8739	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Pseudomonas paraeruginosa</i>	9027	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Stenotrophomonas maltophilia</i> *	W.S.	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Escherichia coli O157</i>	700728	30-35 °C	Aerobic, 48 hours	Growth	Growth	Growth
<i>Candida albicans</i>	10231	30-35 °C	Aerobic, 48-72 hours	Growth	Growth	Growth
<i>Aspergillus brasiliensis</i>	16404	30-35 °C	Aerobic, 48-72 hours	Growth	Growth	Growth
<i>Candida albicans.</i>	10231	20-25 °C	Aerobic, 3-5 days	Growth	Growth	Growth
<i>Aspergillus brasiliensis</i>	16404	20-25 °C	Aerobic, 3-5 days	Growth	Growth	Growth

*Tested only for 200ml