

TSA IRRADIATED

Highly nutritious general purpose medium for the growth of bacteria and fungi

Cat.N: PD139

Product: TRYPTONE SOYA AGAR IRRADIATED

Appearance: 10 plates, double wrapped in transparent, permeable packaging; light amber

Storage: 2-25°C

Formula – TSA IRRADIATED (Gram/Liter)

TRYPTIC SOY AGAR USP I - 40 g/L; DEIONIZED WATER - HOT – 777.7 ml/L; DEIONIZED WATER – 222.23 ml/L

Intended Use

Irradiated TSA Agar is used for the monitoring of microbial contamination in industrial and hospital cleanroom environments, used for the preparation and maintenance of test strains, used in growth promotion tests, suitability of the counting methods and as negative controls as described in the Harmonized USP/EP/JP. It is also a support plating medium for various protocols described in the microbial enumeration test section of the Harmonized USP/EP/JP.

This agar is intended for: sampling air using an air sampler; static sampling of ambient air; controlling equipment and personnel (gloves, fingers, etc.).

Enzymatic digests of casein and soybean act as a source of nitrogen and amino acid and sodium chloride maintains the osmotic balance.

QC performance

pH Minimum Value: 7.1 Maximum Value: 7.5

Gamma Irradiation (kGy) Minimum Value: 25 Maximum Value: 40

GPT: inoculum 10-100 cfu.

Microorganisms	ATC No	Incubation Temp. (°C)	Incubation Cond.	Reaction 1
<i>Staphylococcus aureus</i>	6538	30-35 °C	Aerobic, 48 hours	Pass
<i>Bacillus cereus</i>	14579	30-35 °C	Aerobic, 48 hours	Pass
<i>Escherichia coli</i>	8739	30-35 °C	Aerobic, 48 hours	Pass
<i>Pseudomonas aeruginosa</i>	9027	30-35 °C	Aerobic, 48 hours	Pass
<i>Bacillus subtilis</i>	6633	30-35 °C	Aerobic, 48 hours	Pass
<i>Kocuria rhizophila (M.luteus)</i>	9341	30-35 °C	Aerobic, 48 hours	Pass
<i>Candida albicans</i>	10231	30-35 °C	Aerobic, 48 hours	Pass
<i>Aspergillus brasiliensis</i>	16404	30-35 °C	Aerobic, 48 hours	Pass
<i>Candida albicans</i>	10231	20-25 °C	Aerobic, 3-5 days	Pass
<i>Aspergillus brasiliensis</i>	16404	20-25 °C	Aerobic, 3-5 days	Pass

Warning and Precautions For laboratory use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Do not use the product beyond its expiry date.