



Tryptic Soy Broth, 101g (G311-101) SampleReady® GAMMA IRRADIATED SOLUBLE POUCH

USE: Tryptic (Trypticase) Soy Broth (Soybean-Casein Digest Medium) is a general-purpose medium used in qualitative procedures for the cultivation of fastidious and nonfastidious microorganisms from a variety of clinical and nonclinical specimens.

DESCRIPTION: Tryptic (Trypticase) Soy Broth (TSB) is a nutritious medium that will support the growth of a wide variety of microorganisms, including common aerobic, facultative, and anaerobic bacteria and fungi. This formulation is included in the USP as a medium for use in performing microbial enumeration tests and tests for specified microorganisms when testing nonsterile pharmaceutical products. TSB was chosen by the USDA Animal and Plant Health Inspection Service for detecting viable bacteria in live vaccines. TSB is recommended for testing bacterial contaminants in cosmetics and complies with established standards in the food industry. Because of its capacity for growth promotion, TSB is also recommended for use as the inoculum broth for disc diffusion and agar dilution antimicrobial susceptibility testing as standardized by the Clinical and Laboratory Standards Institute (CLSI).

FORMULA:

Pancreatic Digest of Casein	17.0 g
Papaic Digest of Soybean	3.0 g
Dextrose	2.5 g
Sodium Chloride	5.0 g
Dipotassium Phosphate.....	2.5 g

Note: Medium may be adjusted and/or supplemented as required to meet performance criteria.

Final pH: 7.3 ± 0.2 at 25°C

PHYSICAL APPEARANCE:

Dehydrated Appearance – Light beige, free-flowing, homogeneous.

Prepared Appearance – Light amber, clear.

PROCEDURE: Carefully open the Mylar bag and aseptically transfer one soluble pouch to a container with 3.37 L sterile water and mix. Dissolve completely with repeated stirring or agitation. Once dissolved, the medium is ready for testing applications. Consult reference methods for complete procedures.

EXPECTED RESULTS: Cultural response after 18-72 hours at 35°C.

Microorganism	CFU	Growth
<i>Staphylococcus epidermidis</i> ATCC™ 12228	10 – 100	+
<i>Streptococcus pneumoniae</i> ATCC™ 19615	10-100	+
<i>S. enterica</i> ser. Typhimurium ATCC™ 14028	10 – 100	+
<i>Aspergillus brasiliensis (niger)</i> ATCC™ 16404	< 100	+
<i>Bacillus subtilis</i> ATCC™ 6633	< 100	+
<i>Candida albicans</i> ATCC™ 10231	< 100	+
<i>Escherichia coli</i> ATCC™ 8739	< 100	+
<i>Pseudomonas aeruginosa</i> ATCC™ 9027	< 100	+
<i>Staphylococcus aureus</i> ATCC™ 6538	< 100	+

STORAGE: Store the sealed Mylar bag at 2-30°C in a dry environment for up to the expiration date.

LIMITATIONS: Once opened, use all pouches within the Mylar bag as soon as possible. Use prepared media within 3 hours for best results. The pouches should be discarded if there has been a change from the original color, or the encapsulated powder is not free flowing.

For laboratory use only.

SIZES AVAILABLE: 6.75g, 15g, 33.7g, 101g

PACKAGING: One box contains a total of 50 pouches consisting of 10 hermetically sealed Mylar bags containing 5 soluble pouches containing 101 g of dehydrated culture media each. Additional configurations are available upon request.

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