



## Tryptone Soy Broth (Dehydrated Culture Media) for cell culture

**Tryptone Soy Broth**, often known as TSB, is an essential medium in pharmaceutical microbiology, ensuring product sterility, quality control, and regulatory compliance.

This broth consists of enzymatic digests of soybean meal and casein, along with peptones that supply essential amino acids and nitrogenous compounds. It also contains sodium chloride to help maintain osmotic balance and dextrose, which provides carbohydrates and energy. Additionally, this medium is enriched with important vitamins and minerals that support organism growth. To ensure pH stability, dipotassium hydrogen phosphate is included as a buffering agent.

**Tryptic Soy Broth** is utilized for culturing a diverse array of aerobic gram-positive and gram-negative bacteria, fungi, routine blood cultures, and microbial biofilms.



### Our highlights

- European manufacturer operating under ISO 9001 Quality Management System.
- Quality control made in an ISO 17025 accredited laboratory.
- Experts in production of dehydrated culture media (DCM) and ready to use (RTU) media for microbiology and cell culture.
- Comprehensive documentation: TDS, MSDS, CoA, BSE, origin certificate.
- Well design supply chain management and complete traceability chain.

Product code	Product name	Pack size
513820.0415	Tryptone Soy Broth (TSB) (Ph. Eur., USP, ISO) (Dehydrated Culture Media) for cell culture	10 Kg



You may also be interested in our [microbiology plates for pharma industry](#)



## Tryptone Soy Broth main applications for the Pharmaceutical Industry

- **Environmental Monitoring**  
Used for air and surface monitoring in cleanrooms and controlled environments. Commonly utilized in liquid microbial monitoring for aseptic areas.
- **Sterility Testing**  
TSB is a primary medium for sterility testing of pharmaceutical products, raw materials, and packaging.  
Supports recovery of aerobic and facultative anaerobic bacteria, fungi, and yeast.
- **Microbial Limit Testing (MLT)**  
Used in quantitative microbial contamination assessment of non-sterile pharmaceutical products (tablets, ointments, and liquids).
- **Media Fill Tests**  
Used in media fill trials to validate aseptic manufacturing processes.  
Simulates real aseptic production conditions to detect potential contamination.
- **Validation of Cleaning Procedures**  
TSB is used in swab and rinse testing to verify the effectiveness of cleaning and disinfection procedures in pharmaceutical environments.
- **Growth Promotion Testing (GPT)**  
TSB is used to verify the performance of culture media, ensuring microbial recovery and growth.



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