

Tryptic Soy Broth 20 L

	Technical Data												
Use in	- Pharmaceutical Industry - For industrial, laboratory & research applications only												
Use for	Aseptic process simulation												
Typical composition per liter	Basic medium according to Ph. Eur. 2.6.1 and USP <71> <table><tr><td>Casein peptone</td><td>17 g</td><td>Glucose-D(+) x H₂O</td><td>2.5 g</td></tr><tr><td>Soy peptone</td><td>3 g</td><td>K₂HPO₄</td><td>2.5 g</td></tr><tr><td>NaCl</td><td>5 g</td><td></td><td></td></tr></table> This medium can be adjusted / or supplemented according to the performance criteria required.	Casein peptone	17 g	Glucose-D(+) x H ₂ O	2.5 g	Soy peptone	3 g	K ₂ HPO ₄	2.5 g	NaCl	5 g		
Casein peptone	17 g	Glucose-D(+) x H ₂ O	2.5 g										
Soy peptone	3 g	K ₂ HPO ₄	2.5 g										
NaCl	5 g												
Irradiation	Not irradiated												
Filling volume	20 L												
Bag format	2D bag manifold - Bag volume 45 L - Double bagged and irradiated with a minimum dose of 25 kGy - Manufactured in a certified ISO Class 7 clean room - Complying with the requirements of USP <88> Class VI for biocompatibility - Sealable tubes out of TPE (Thermoplastic Elastomer)												
Units per pack	1 bag in a plastic container - Additional connected empty 1 L bags for customer sampling are delivered for each bag - On customer request, 2 extra 1 L-bags with TSB are delivered for each batch (4 x 20 L-bags)												
Shelf life	12 months from production date												
Storage conditions	- Recommended storage temperature: 2 – 25 °C - Should be stored at temperatures as stable as possible - Avoid prolonged exposure to direct sunlight												
Label	On the bag and on the plastic container												
Label information	- Product name: TSB 20 L - Expiry date: YYYYMMDD → MMM in letters (e.g.: 2026Nov04) - Lot-number - Individual number - Barcode												
Barcode	2-dimensional (data matrix), 20 digits: - Digits 1 - 3: Art.-No. - Digits 4 - 9: Lot-Number - Digits 10 - 14: Individual-Number - Digits 15 - 20: Date (YYMMDD)												

Technical Data	
Delivery	Temperature controlled delivery on request
Place of production	PharmaMedia Dr. Müller GmbH Gustav-Throm-Str. 1, 69181 Leimen - Germany

	Quality control, Certificates				
Certificates	Every batch of product can be obtained with a certificate of analysis (CoA):				
	Physico-chemical test parameters:				
	Appearance	Clear, yellowish			
	pH value	7.1 – 7.5			
	Filling volume	20 – 25 L			
	Growth Promotion test: 10 – 100 CFU				
	S. aureus	ATCC 6538	30 – 35 °C	1 day	Good growth
	E. coli	ATCC 8739	30 – 35 °C	1 day	Good growth
	P. paraeruginosa	ATCC 9027	30 – 35 °C	1 day	Good growth
	B. spizizenii	ATCC 6633	30 – 35 °C	1 day	Good growth
	B. spizizenii	ATCC 6633	20 – 25 °C	≤ 3 days	Good growth
	C. albicans	ATCC 10231	20 – 25 °C	3-5 days	Good growth
	A. brasiliensis	ATCC 16404	20 – 25 °C	3-5 days	Good growth
Sterility control					
≥ 7 days at 20 - 25 °C and subsequently ≥ 7 days at 30 - 35 °C, no growth					
Certificate of origin	All media lots produced by PMM can be obtained with a Certificate of Origin (CoO). All animal derived raw materials are specified as follows: • Raw material • Tissue • Animal source • Country of origin • Infectivity category (acc. to TSE guideline: EMA/410/01 current version)				
BSE policy	In compliance with the current note for guidance on minimizing the risk of transmitting animal spongiform encephalopathy via human or veterinary medicinal products, we check the CoO of raw material in respect to the specified animal source, the country of origin and the infectivity category. We neither store or process ruminant raw materials obtained from high infectivity tissues (IA) nor ruminant raw materials whose animal source originates from countries or regions with an undetermined risk (cat C/GBR IV).				

	Safety Data
Toxic ingredients	• None
Basic composition	• See typical composition
Solvent content	• None
Safety data sheet required	• Not mandatorily required