

TRYPTONE SOY BROTH (TSB)

APPLICATION	<p>Tryptic Soy Broth (TSB) is a nutritious medium used for the detection, isolation and cultivation of fastidious and nonfastidious microorganisms including bacteria and fungi from clinical specimens, environmental sources and other materials.</p> <p>This medium complies with the recommendations of the harmonized method in the United States Pharmacopoeia (USP) and European Pharmacopoeia (EP).</p>	
PRINCIPLE AND INTERPRETATION	<p>The combination of casein peptone and soy peptone makes the medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains osmotic balance in the medium. Dipotassium phosphate is a buffering agent. Dextrose is an energy source.</p> <p>The addition of lecithin and tween80 makes the medium particularly suitable for detecting microbial contamination in cosmetics.</p>	
MEDIUM COMPOSITION*	<p>TSB</p>	<p>Peptone.....17.00 g/l Soy peptone.....3.00 g/l Sodium Chloride.....5.00 g/l Dextrose..... 2.50 g/l Dipotassium phosphate.....2.50 g/l</p> <p>Final pH 7.3 ± 0.2</p> <p>* Adjusted and /or supplemented as required to meet performance criteria</p>
	<p>TSB+LECITHIN 0.07% + TWEEN80 0.5%</p>	<p>Peptone.....17.00 g/l Soy peptone.....3.00 g/l Sodium Chloride.....5.00 g/l Dextrose..... 2.50 g/l Dipotassium phosphate.....2.50 g/l Lecithin.....0.7g/l Tween80.....5.00ml/l Final pH 7.3 ± 0.2</p> <p>* Adjusted and /or supplemented as required to meet performance criteria</p>
	<p>TSB+LECITHIN 3%+ TWEEN80 20%</p>	<p>Peptone.....17.00 g/l Soy peptone.....3.00 g/l Sodium Chloride.....5.00 g/l Dextrose..... 2.50 g/l Dipotassium phosphate.....2.50 g/l Lecithin.....30.00g/l Tween80.....200.00ml/l</p>
	<p>TSB+1% MALTOSE</p>	<p>Peptone.....17.00 g/l Soy peptone.....3.00 g/l Sodium Chloride.....5.00 g/l Dextrose..... 2.50 g/l Dipotassium phosphate.....2.50 g/l Maltose.....10.00g/l</p>
STORAGE	<p>2-25°C</p> <p>Protect from light, excessive heat, moisture and freezing</p>	
STERILIZATION	<ul style="list-style-type: none"> • Autoclaving for bottles • γ irradiation for bags 	

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QUALITY CONTROL	Growth Promotion Test:			
	Control strain	Medium inoculation level	Incubation Conditions	Recovery Specifications
	<i>E. coli</i> ATCC 8739	10-100 viable microorganisms	18-72 h at 32.5 ± 2.5°C	Positive growth
	<i>P. aeruginosa</i> ATCC 9027	10-100 viable microorganisms	18-72 h at 32.5 ± 2.5°C	Positive growth
	<i>S. aureus</i> ATCC 6538	10-100 viable microorganisms	18-72 h at 32.5 ± 2.5°C	Positive growth
	<i>B. subtilis</i> ATCC 6633	10-100 viable microorganisms	18-72 h at 32.5 ± 2.5°C	Positive growth
	<i>B. subtilis</i> ATCC 6633	10-100 viable microorganisms	18-72 h at 22.5 ± 2.5°C	Positive growth
	<i>C. albicans</i> ATCC 10231	10-100 viable microorganisms	48-120 h at 22.5 ± 2.5°C	Positive growth
<i>A. brasiliensis</i> ATCC 16404	10-100 viable microorganisms	48-120 h at 22.5 ± 2.5°C	Positive growth	
Sterility control: no growth				
Appearance: yellow coloured				
GENERAL WARNING NOTES	Device must be handled according to asepsis precautions, of utilization of culture media is strictly referred to the type of analysis that must be done. Please refer to specific norms and procedures. Do not use if device is broken. Do not use if media shows accidental contamination signs. Do not utilize after expiry date. Let device reach room temperature before utilizing. Results interpretation must be done by qualified personnel, who must consider context of use. Disposal of waste must be carried out according to national and local regulations in force.			

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This item is available in:

➤ **Sterile bottled Media**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
100 ml	011/30PSC28.100	011/30PSC28.100.10 (10 bottles/pack)	100 ml in 125 ml volume, PP 28 Screw Cap Bottle.	2 years
200 ml	011/31PSC28.200	011/31PSC28.200.10 (10 bottles/pack)	200 ml in 250 ml volume, PP28 Screw Cap Bottle.	2 years
800 ml	011/33PSC28.800	011/33PSC28.800.10 (10 bottles/pack)	800 ml in 1000 ml volume, PP28 Screw Cap Bottle	2 years
1000 ml	011/33PSC28.1L	011/33PSC28.1L.10 (10 bottles/pack)	1000 ml in 1000 ml volume, PP28 Screw Cap Bottle	2 years
100 ml	011/30P.100	011/30P.100.10 (10 bottles/pack)	100 ml in 125 ml volume, PP28 Polypropylen Screw Cap with two pierceable port	2 years
200 ml	011/31P.200	011/31P.200.10 (10 bottles/pack)	200 ml in 250 ml volume, PP28 Polypropylen Screw Cap with two pierceable port	2 years
800 ml	011/33P.800	011/33P.800.10 (10 bottles/pack)	800 ml in 1 Lt volume, PP28 Polypropylen Screw Cap with two pierceable port	2 years
900 ml	011/33P.900	011/33P.900.10 (10 bottles/pack)	900 ml in 1 Lt volume, PP28 Polypropylen Screw Cap with two pierceable port	2 years
100 ml	011/30FLP20.100	011/30FLP20.100.10 (10 bottles/pack)	100 ml in 125 ml volume, 20 mm Flip-off with septum	2 years
100 ml	011/30FLP32.100	011/30FLP32.100.10 (10 bottles/pack)	100 ml in 125 ml volume, 32 mm Flip-off with septum	2 years
200 ml	011/31FLP32.200	011/31FLP32.200.10 (10 bottles/pack)	200 ml in 250 ml volume, 32 mm Flip-off with septum	2 years
500ml	011/34LGM.500	011/34LGM.500.10 (10 bottles/pack)	500 ml in 500 ml volume, Large mouth bottle	2 years

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➤ **Sterile bottled TSB+ MALTOSE**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
200ml	011M/31PSC28.200	011M/31PSC28.200.10 (10 bottles/pack)	200ml in 250ml volume, PP28 Screw cap bottle	1 year

➤ **Sterile bottled TSB+LECITHIN 3%+TWEEN80 20%**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
400ml	011LT/32PSC28.400	011LT/32PSC28.400.10 (10 bottles/pack)	400ml in 550ml volume, PP28 Screw cap bottle	2 year

➤ **Sterile bottled TSB+LECITHIN 0.07%+TWEEN80 0.5%**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
100ml	011L1/30PSC28.100	011L1/30PSC28.100.10 (10 bottles/pack)	100 ml in 125 ml volume, PP 28 Screw Cap Bottle	2 year
		011L1/30PSC28.100.50 (50 bottles/pack)		

➤ **Gamma irradiated bags**

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
5000 ml	011/52	011/52 (1 bag/pack)	Filling volume: 5000ml±50ml Packaging: EVA bag with double joint Triple Wrapped Sterile Irradiated (TWSI) Dose of irradiation: ≥ 25 KGy	1 year

Customized filling volumes and formulations are available upon request

To receive information please

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