

Technical Data



TRYPTONE SOY AGAR (TSA) + Lecithin+ Tween 80 + Glycine+ Carbamator™ Plus

APPLICATION	Tryptic Soy Agar (TSA) with Lecithin, Tween 80, Glycine and Carbamator™ plus is used in beta-lactams sterility testing (either environmental and antibiotics sterility testing).																								
PRINCIPLE AND INTERPRETATION	<p>Carbamator™ Plus is an innovative product developed by CPC Biotech and specifically designed for the inactivation of a wide range of beta-lactam antibiotics as penicillins, cephalosporins and, precisely, carbapenems.</p> <p>Sodium Chloride maintains osmotic equilibrium. Casein peptone and soy peptone provide nitrogenous compounds and other nutrients essential for microbial replication (amino acids and long chain peptides).</p> <p>Lecithin, Tween 80 are neutralizers reported to inactivate residual disinfectants from where the sample is collected. Lecithin neutralizes quaternary ammonium compounds and Tween 80 neutralizes phenolic disinfectants, hexachlorophene, formalin and with lecithin ethanol. Glycine neutralizes aldehydes formaldehyde.</p> <p>Agar is the solidifying agent.</p>																								
MEDIUM COMPOSITION*	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">Casein peptone</td> <td style="text-align: right;">15.00 g/l</td> </tr> <tr> <td>Soy peptone</td> <td style="text-align: right;">5.00 g/l</td> </tr> <tr> <td>Sodium Chloride</td> <td style="text-align: right;">5.00 g/l</td> </tr> <tr> <td>Lecithin</td> <td style="text-align: right;">0.70 g/l</td> </tr> <tr> <td>Tween80</td> <td style="text-align: right;">5.00 g/l</td> </tr> <tr> <td>Glycine</td> <td style="text-align: right;">2.00 g/l</td> </tr> <tr> <td>Carbamator™ Plus</td> <td style="text-align: right;">1000 UI/l</td> </tr> <tr> <td>Agar</td> <td style="text-align: right;">15.00 g/l</td> </tr> </table> <p>Final pH 7.3 ± 0.2</p> <p>*Adjusted and/or supplemented to meet performances criteria</p>	Casein peptone	15.00 g/l	Soy peptone	5.00 g/l	Sodium Chloride	5.00 g/l	Lecithin	0.70 g/l	Tween80	5.00 g/l	Glycine	2.00 g/l	Carbamator™ Plus	1000 UI/l	Agar	15.00 g/l								
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STORAGE	<p>+2°/+25°C</p> <p>Protect from light, excessive heat, moisture and freezing</p>																								
QUALITY CONTROL	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: left;">Growth Promotion Test: 10-100 viable microorganisms</th> </tr> <tr> <th style="width: 30%;">Control strain</th> <th style="width: 40%;">Incubation Conditions</th> <th style="width: 30%;">Specifications</th> </tr> </thead> <tbody> <tr> <td><i>E. coli</i> ATCC 8739</td> <td>24-72 h at 32.5 ± 2.5°C</td> <td>70%≤R%≤200%</td> </tr> <tr> <td><i>P. aeruginosa</i> ATCC 9027</td> <td>24-72 h at 32.5 ± 2.5°C</td> <td>70%≤R%≤200%</td> </tr> <tr> <td><i>S. aureus</i> ATCC 6538</td> <td>24-72 h at 32.5 ± 2.5°C</td> <td>70%≤R%≤200%</td> </tr> <tr> <td><i>B. subtilis</i> ATCC 6633</td> <td>24-72 h at 32.5 ± 2.5°C</td> <td>70%≤R%≤200%</td> </tr> <tr> <td><i>C. albicans</i> ATCC 10231</td> <td>72-120 h at 22.5 ± 2.5°C</td> <td>70%≤R%≤200%</td> </tr> <tr> <td><i>A. brasiliensis</i> ATCC 16404</td> <td>72-120 h at 22.5 ± 2.5°C</td> <td>70%≤R%≤200%</td> </tr> </tbody> </table>	Growth Promotion Test: 10-100 viable microorganisms			Control strain	Incubation Conditions	Specifications	<i>E. coli</i> ATCC 8739	24-72 h at 32.5 ± 2.5°C	70%≤R%≤200%	<i>P. aeruginosa</i> ATCC 9027	24-72 h at 32.5 ± 2.5°C	70%≤R%≤200%	<i>S. aureus</i> ATCC 6538	24-72 h at 32.5 ± 2.5°C	70%≤R%≤200%	<i>B. subtilis</i> ATCC 6633	24-72 h at 32.5 ± 2.5°C	70%≤R%≤200%	<i>C. albicans</i> ATCC 10231	72-120 h at 22.5 ± 2.5°C	70%≤R%≤200%	<i>A. brasiliensis</i> ATCC 16404	72-120 h at 22.5 ± 2.5°C	70%≤R%≤200%
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	Sterility control	No growth
	Appearance	Light yellow coloured, clear to slightly opalescent gel forms in
BARCODE	Data matrix code is composed of 20 digits: Digits 1→2 Media code Digits 3→7 Batch number Digits 8→9 Sub-batch number Digits 10→14 Progressive number Digits 15→20 Expiry Date (DDMMYY)	
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 accrued out according to national and local regulations in force.	

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TRYPTONE SOY AGAR (TSA) + Lecithin+ Tween 80 + Glycine+ Carbamator™ Plus

This item is available in:

- Gamma irradiated media plates

MODEL	PRODUCT CODE	ORDER CODE	DESCRIPTION	SHELF LIFE
Ø 90mm	449GCRK1000/22	449GCRK1000/22.100 (100pcs/pack)	Filling volume: 30ml ± 1ml Packaging: Triple Wrapped Sterile Irradiated (TWSI) Dose of irradiation: 10-25 KGy	6 months
		449GCRK1000/22.200 (200pcs/pack)		
Rodac Ø55mm	449GCRK1000/21	449GCRK1000/21.120 (120pcs/pack)	Filling volume: 17ml ± 1ml Packaging: Triple Wrapped Sterile Irradiated (TWSI) Dose of irradiation: 10-25 KGy	6 months
		449GCRK1000/21.240 (240pcs/pack)		

Customized filling volumes and formulations are available upon request

To receive information please

contact info@cpcbiotech.it