

MacConkey Broth 100 mL

	Technical Data								
Use in	<ul style="list-style-type: none"> Pharmaceutical Industry For industrial, laboratory & research applications only 								
Use for	<ul style="list-style-type: none"> Microbial examination of non-sterile products Test for specified micro-organisms Test for <i>E. coli</i> 								
Typical composition per liter	<p>Medium according to EP 2.6.13 and USP <62></p> <table> <tr> <td>Pancreatic digest of gelatine</td> <td>20 g</td> <td>Dehydrated ox bile</td> <td>5 g</td> </tr> <tr> <td>Lactose monohydrate</td> <td>10 g</td> <td>Bromocresol purple</td> <td>10 mg</td> </tr> </table> <p>This medium can be adjusted / or supplemented according to the performance criteria required.</p>	Pancreatic digest of gelatine	20 g	Dehydrated ox bile	5 g	Lactose monohydrate	10 g	Bromocresol purple	10 mg
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Filling volume	<ul style="list-style-type: none"> 100 mL 								
Bottle format	<ul style="list-style-type: none"> 220 mL screw cap Type II glass Bottle opening about 31 mm Colour of cap: blue GL40 screw cap with 2 integrated septa 								
Bottles per tray	<ul style="list-style-type: none"> 12 bottles on a plastic tray wrapped with shrink foil 								
Shelf life	<ul style="list-style-type: none"> 9 months from production date 								
Storage conditions	<ul style="list-style-type: none"> Recommended storage temperature: 2 – 25 °C Should be stored at temperatures as stable as possible Store protected from light exposure 								
Label	<ul style="list-style-type: none"> On the side Contain autoclave indicator 								
Label information	<ul style="list-style-type: none"> Product name: MacC.-B. 100 mL Expiry date: YYYYMMDD → MMM in letters (e.g.: 2026Nov04) Lot-number Individual number Barcode 								
Barcode	<ul style="list-style-type: none"> 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) 								
Delivery	<ul style="list-style-type: none"> Temperature controlled delivery on request For shipments of larger amounts plastic pallets in Euro-size can be used 								

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Bottle information	<ul style="list-style-type: none"> Label contains autoclaving indicator (brown → green) Bottles are incubated at 25 – 35 °C for at least 48 hours after autoclaving and then packed Bottles are not touched any more by hand after autoclaving
Place of production	PharmaMedia Dr. Müller GmbH Gustav-Throm-Str. 1, 69181 Leimen - Germany

Quality control, Certificates																																																																		
Certificates	<p>Each lot of product can be obtained with a certificate of analysis (CoA):</p> <table border="1"> <thead> <tr> <th colspan="5">Physico-chemical test parameters:</th> </tr> </thead> <tbody> <tr> <td>Appearance</td> <td colspan="4">Clear, purple</td> </tr> <tr> <td>pH value</td> <td colspan="4">7.1 – 7.5</td> </tr> <tr> <td>Filling volume</td> <td colspan="4">98 – 104 mL</td> </tr> <tr> <td colspan="5"> </td> </tr> <tr> <th colspan="5">Growth Promotion test: 10 – 100 CFU*</th> </tr> <tr> <td><i>E. coli</i></td> <td>ATCC 8739</td> <td>42-44 °C</td> <td>20-24 h</td> <td>Good growth</td> </tr> <tr> <td colspan="5"> </td> </tr> <tr> <th colspan="5">Test for inhibition: 100 – 1000 CFU</th> </tr> <tr> <td><i>S. aureus</i></td> <td>ATCC 6538</td> <td>42-44 °C</td> <td>48-52 h</td> <td>Inhibition</td> </tr> <tr> <td colspan="5"> </td> </tr> <tr> <th colspan="5">Sterility control</th> </tr> <tr> <td colspan="5">≥ 7 days at 30-35 °C, no growth</td> </tr> </tbody> </table> <p>*In case of a direct inoculation and incubation in the bottle, please check the recommendations for use on next page.</p>	Physico-chemical test parameters:					Appearance	Clear, purple				pH value	7.1 – 7.5				Filling volume	98 – 104 mL									Growth Promotion test: 10 – 100 CFU*					<i>E. coli</i>	ATCC 8739	42-44 °C	20-24 h	Good growth						Test for inhibition: 100 – 1000 CFU					<i>S. aureus</i>	ATCC 6538	42-44 °C	48-52 h	Inhibition						Sterility control					≥ 7 days at 30-35 °C, no growth				
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Certificate of origin	<p>All media lots produced by PMM can be obtained with a Certificate of Origin (CoO). All animal derived raw materials are specified as follows:</p> <ul style="list-style-type: none"> Raw material Tissue Animal source Country of origin Infectivity category (acc. to TSE guideline: EMA/410/01 current version) 																																																																	
BSE policy	<ul style="list-style-type: none"> 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). 																																																																	

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Temperature stress	Art. 581.B100 has been exposed to temperature stress conditions (3 days at 30-35°C) and has passed shelf-life testing at least 30 days after the assigned expiry date. Shelf-life testing comprises all regular tests which are part of the normal release test of this article except for sterility control (see CoA).

Recommendations for use	
Release of negative pressure in media bottles	During the autoclaving process, chemical reactions inside the bottles may result in a slight vacuum. Please ensure that the vacuum is released without contaminating the bottle. Ideally, the vacuum is released by puncturing the septum with an aeration needle equipped with a sterile filter prior to opening a bottle.
Aeration for direct inoculation	<p>During the autoclaving process, most of the oxygen inside the bottles is consumed in a chemical reaction, thus resulting in a medium not suitable for direct inoculation of aerobic microorganisms. When using such bottle for the growth of aerobic microorganisms without opening, please ensure that the bottle is aerated throughout the complete incubation process by an aeration needle equipped with a sterile filter. Additionally, air filtered through a sterile filter may be pressed into the bottle using a syringe.</p> <p>Example for aeration: For bottles containing larger volumes of medium, e.g. TSB in 500 or 1000 mL, puncture the bottle lid (stopper) by a cannula of at least 1.6 mm diameter equipped with a sterile filter. Equilibrate with the cannula for not less than three days at 20 to 25 °C prior to inoculation.</p>

Safety Data	
Toxic ingredients	<ul style="list-style-type: none"> None
Basic composition	<ul style="list-style-type: none"> See typical composition
Solvent content	<ul style="list-style-type: none"> None
Safety data sheet required	<ul style="list-style-type: none"> Not mandatorily required