	Document Owner Department: QC	MBD-BT-SPEC-0226
		Page 1 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>MYP AGAR CM0929</b>		

**MYP AGAR** **CM0929**  
**Mannitol Egg Yolk Polymyxin Agar**

**Typical Formula\***

Meat extract	grams per litre	1.0
Peptone		10.0
Mannitol		10.0
Sodium chloride		10.0
Phenol red		0.025
Agar		12.0

\* adjusted as required to meet performance standards

**Directions**

Suspend 21.5g in 450ml of distilled water and bring gently to the boil to dissolve. Sterilize by autoclaving at 121°C for 15 minutes. Cool to approximately 49°C and aseptically add 50ml of Egg Yolk Emulsion (SR0047C) and the contents of one vial of Polymyxin B Supplement (SR0099E) reconstituted as directed. Mix well and pour into sterile Petri dishes.

**Physical Characteristics**

Straw, free-flowing powder  
 Colour on reconstitution - red  
 Moisture level - less than or equal to 7%  
 pH 7.2 ± 0.2 at 25°C  
 Clarity - clear  
 Gel strength - equivalent to 12.0g/litre of agar

**Microbiological Tests using Optimum Inoculum Dilution**


Control Medium: Tryptone Soya Agar

**Reactions after incubation at 30 ± 2°C for 24 ± 3 hours**

Tested with the addition of Polymyxin B Supplement SR0099 and 10% v/v Egg Yolk Emulsion SR0047

Medium is challenged with 10-100 colony-forming units

*Bacillus cereus* ATCC®10876 3-10mm bright pink colonies with halo

	Document Owner Department: QC	MBD-BT-SPEC-0226
		Page 2 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>MYP AGAR CM0929</b>		

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

**Reactions after incubation at 30 ± 2°C for 44 ± 4 hours**

Medium is challenged with 1E+04 to 1E+06 colony-forming units

*Pseudomonas aeruginosa*                      ATCC®27853                      No growth

Negative strains are inhibited.

**Testing performed in accordance with ISO11133:2014**

**Reactions after incubation at 30 ± 2°C for 24 ± 3 hours**

Medium is challenged with 50-120 colony-forming units

*Bacillus cereus*                      ATCC®11778    WDCM00001                      3-10mm bright pink colonies with halo


A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

**Reactions after incubation at 30 ± 2°C for 44 ± 4 hours**

Medium is challenged with 1E+04 to 1E+06 colony-forming units

*Escherichia coli*                      ATCC®8739    WDCM00012                      No growth  
*Escherichia coli*                      ATCC®25922    WDCM00013                      No growth  
*Bacillus subtilis*                      ATCC®6633    WDCM00003                      No growth or 1-2mm yellow/orange colonies, no halo

Negative strains are inhibited or produce a negative diagnostic reaction (i.e. yellow/orange colonies and no halo).

	Document Owner Department: QC	MBD-BT-SPEC-0226
		Page 3 of 3
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>MYP AGAR CM0929</b>		

### Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire document	Update to new format and correction of typographical/minor errors.	N/A	N/A
Physical Characteristics	Clarity change from opaque to clear	Change control	MOC-2023-0118