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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
PSEUDOMONAS CETRIMIDE AGAR (USP, EP) CM0579		

PSEUDOMONAS CETRIMIDE AGAR (USP, EP)

CM0579

Typical Formula*

Gelatin peptone	grams per litre	20.0
Magnesium chloride		1.4
Potassium sulphate		10.0
Cetrimide		0.3
Agar		13.6

* adjusted as required to meet performance standards

Directions

Suspend 45.3g in 1 litre of distilled water. Add 10ml of glycerol. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw 1-2
 Moisture level - less than or equal to 7%
 pH 7.2 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 13.6g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Tested in accordance with current USP/EP

Reactions after incubation at 32.5°C for 18 hours

Medium is challenged with 50-100 colony-forming units

Pseudomonas aeruginosa ATCC®9027 0.25-1mm colonies

A satisfactory result is represented by recovery of positive strains equal to or greater than 60% of the control medium.

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Reactions after incubation at 32.5°C for 48 hours

Medium is challenged with 50-100 colony-forming units

Pseudomonas aeruginosa ATCC®9027 Fluorescent, green colonies

Reactions after incubation at 32.5°C for 72 hours

Medium is challenged with 1E+02 to 1E+03 colony-forming units

Salmonella typhimurium ATCC®14028 No growth or 2-8mm white colonies

Negative strains are inhibited or shall produce at least a 1 log(10) reduction when compared to the control medium.

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

Escherichia coli ATCC®8739 No growth or 2-8mm straw colonies

Negative strains are inhibited or shall produce at least a 3 log(10) reduction when compared to the control medium.

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

Proteus mirabilis ATCC®12453 No growth
Staphylococcus aureus ATCC®6538 No growth

Negative strains are inhibited.

Additional challenging strains are employed.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Reformatting to new template Update to test specification	Change control	BT-CC-1477
Reactions after incubation at 32.5°C for 72 hours	<i>Salmonella abony</i> NCTC6017 changed to <i>Salmonella typhimurium</i> ATCC®14028	Change control	BT-CC-2532