

Pseudomonas Selective Agar (CFC)

Selective medium for the isolation and enumeration of *Pseudomonas* spp from meat and meat products according to ISO 13720.

TYPICAL FORMULA	(g/l)
Gelatin Peptone	16.0
Enzymatic Digest of Casein	10.0
Potassium Sulfate	10.0
Magnesium Chloride	1.4
Agar	15.0
Glycerol	10.0 ml
Cetrimide	0.01
Fucidin	0.01
Cephaloridine	0.05
Final pH 7.1 ± 0.2	

DESCRIPTION

Pseudomonas Selective Agar (CFC) is a selective medium used for isolating *Pseudomonas* spp from chilled food, processing plants, environmental samples and water.

Pseudomonas Selective Agar (CFC) is formulated according to ISO 13720.

PRINCIPLE

Gelatin peptone and enzymatic digest of casein provide amino acids, nitrogen, carbon, vitamins and minerals. Potassium sulfate and magnesium chloride enhance pigment (pyocyanin) production. Agar is the solidifying agent. Glycerol is a carbon and energy source. Cetrimide (hexadecyltrimethyl ammonium bromide) is a quaternary ammonium compound that inhibits a wide variety of organisms. Fucidin and cephaloridine are effective against Gram-positive organisms and certain Gram-negative bacteria.

TECHNIQUE

Inoculate diluted or undiluted samples by using spread plate technique. Incubate plates at 25± 1°C for 40-48 hours.

INTERPRETATION OF RESULTS

Observe for the growth of colonies. Further tests are necessary for confirmation of *Pseudomonas aeruginosa* and *Pseudomonas* spp.

STORAGE

10-25°C away from light, until the expiry date on the label. Eliminate if signs of deterioration or contamination are evident.

WARNING AND PRECAUTIONS

The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous. It is nevertheless recommended to consult the safety data sheet for its correct use. The product is designed for professional use only and must be used by properly trained operators.

DISPOSAL OF WASTE

Disposal of waste must be carried out according to the national and local regulations in force.

REFERENCES

1. King, E.O., M.K. Ward, and D.E. Raney (1954) Two simple media for the demonstration of pyocyanin and fluorescin. J. Lab. Clin. 44, 301.
2. Mead, G.C. and B.W. Adams (1977) A selective medium for the rapid isolation of *Pseudomonas* associated with poultry meat spoilage. Br. Poult. Sci. 18:661-670
3. ISO 13720:1995. Meat and meat products – Enumeration of *Pseudomonas* spp.



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PRODUCT SPECIFICATIONS

NAME

Pseudomonas Selective Agar (CFC)

PRESENTATION

Ready to use plates (90 mm) containing 22 ± 1 ml of medium

STORAGE

10-25°C

PACKAGING

Ref.	Content	Packaging
10061	20 plates	<ul style="list-style-type: none"> • 10 plates in thermally soldered film • 2 x 10 plates in cardboard box

pH OF THE MEDIUM

7.1 ± 0.2

USE

Pseudomonas Selective Agar (CFC) is a selective medium used for isolating *Pseudomonas* spp from chilled food, processing plants, environmental samples and water

TECHNIQUE

Refer to technical sheet of the product

APPEARANCE OF THE MEDIUM

Amber, slightly opalescent

SHELF LIFE










6 months

QUALITY CONTROL

1. Control of general characteristics, label and print
2. Sterility control
7 days at $22 \pm 2^\circ\text{C}$, in aerobiosis
7 days at $35 \pm 2^\circ\text{C}$, in aerobiosis
3. Microbiological control
Inoculum for productivity: 50-100 CFU
Inoculum for selectivity: 10^4 - 10^6 CFU
Incubation Conditions: 44-48 hours at $25 \pm 1^\circ\text{C}$, in aerobiosis

Microorganism	WDCM	Growth
<i>Pseudomonas fluorescens</i>	WDCM 00115	Good
<i>Pseudomonas fragi</i>	WDCM 00116	Good
<i>Escherichia coli</i>	WDCM 00012	Inhibited
<i>Escherichia coli</i>	WDCM 00013	Inhibited

TABLE OF SYMBOLS

 LOT	Batch code	 Do not reuse	 Manufacturer	 Use by	 Fragile, handle with care
 REF	Catalogue number	 Temperature limitation	 Contains sufficient for <n> tests	 Caution, consult instructions for use	



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