

TECHNICAL DATA SHEET

Article No. 9145

Pseudomonas CFC Agar

SPECIFICATION

Selective medium for isolation of Pseudomonas spp. from food samples according to ISO standards.

Color: yellow pH: 7.2 ±0.2 at 25 °C

COMPOSITION IN G/L

Gelatin pancreatic peptone	16.00
Casein hydrolisate	10.00
Sulphate potassium	10.00
Magnesium chloride	1.40
Agar	11.00
Cetrimide	0.01
Fucidine	0.01
Cephalothin sodium salt	0.05
Glycerol	10.00
Agar Cetrimide Fucidine Cephalothin sodium salt	11.00 0.01 0.01 0.05

PACKAGING DETAILS

<u>9145-20PLATES</u>	
20 prepared plates 90 mm	
Content:	21 ±2 ml
Packaging unit:	1 box with 2 cellophane bags with 10 plates/bag.

GUIDELINES

Description:

Pseudomonas CFC Agar is a selective medium recommended by ISO 13720 for the enumeration of *Pseudomonas* spp in meat and meat products, including poultry. Gelatin peptone and enzymatic digest of casein provide nitrogen, vitamins, minerals and amino acids essential for growth, therefore it permits the growth of a great number of *Pseudomonas* spp. Potassium sulfate and magnesium chloride help to form pigmentation (pyocyanin). The addition of cetrimide, fucidin and cephalotin makes the medium more selective for *Pseudomonas* spp. including *P. aeruginosa* and *Burkholderia cepacia*.



Th. Geyer GmbH & Co. KG Dornierstr. 4 – 6 D-71272 Renningen Tel: +49 7159 1637-0 Fax: +49 7159 1637-70 Fax: +49 7159 1637-710 renningen@thgeyer.de www.thgeyer.de

BW-Bank (Swift/BIC SOLADEST600) IBAN DE85600501010002036302 Postbank Stuttgart (SwiftBIC PBNKDEFFXXX) IBAN DE3260010070000020708 Deutsche Bank (SwiftBIC DEUTDESSXXX) IBAN DE06600700700125518100 St.-Nr. 70093/40018 / USI-IdNr. DE147510304 Amtsgericht Stuttgart / HRA-Nr. 254140 Persönlich haftende Gesellschafterin: Geyer Beteiligungsgesellschaft mbH Amtsgericht Stuttgart / HRB-Nr. 252035 Geschäftsführer: Lutz-Alexander Geyer / Oliver-Alexander Geyer / André Meise / Ralf Streicher



Technique:

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results. Spread the plate by streaking or spiral method. Incubate the plates aerobically at 24-26 °C for 44 ±4 h. Incubation times longer than those or different incubation temperatures may be required depending on the sample and on the specifications.

After incubation, enumerate all colonies that have appeared on the agar surface. Each laboratory must evaluate the results according to their specifications.

Presumptive isolation of *Pseudomonas* spp. must be confirmed by further microbiological or biochemical tests. Colonies which show a positive oxidase reaction but no glucose fermentation are *Pseudomonas* spp. colonies.

MICROBIOLOGICAL CONTROL

Inoculate: Practical range 100 ±20 CFU. Min. 50 CFU (productivity)/ 104-106 (selectivity).

Microbiological control acc. to ISO 11133:2014/A1:2018.

Analytical methodology acc. to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 25 ±1 °C, reading at 44 ±4 h.

Microorganism	Growth
Escherichia coli ATCC® 8739, WDCM 00012	Inhibited
Ps. fluorescens ATCC [®] 13525, WDCM 00115	Good (≥50 %)
Ps. fragi ATCC [®] 4973, WDCM 00116	Good (≥50 %)

Sterility control:

Incubation 48 hours at 30-35 °C and 48 hours at 20-25 °C: NO GROWTH. Check at 7 days after incubation in same conditions.

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STORAGE

2-14 °C

SHELF LIFE

3 months



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