

Pseudomonas-CN-Agar

Shorthand symbol:	PCN
Item number:	45-1286
Format:	Petri Dish, 70mm
Colour:	colourless
Storage conditions:	Dry, in closed bag at 4-10°C
Shelf-life:	3 Months
pH:	6.8 ± 0.2 bei 25°C



Intended use and fields of application

Pseudomas CN Agar is a selective Agar for the cultivation of *Pseudomonas aeruginosa* with the addition of Cetrimide to suppress the growth of non-target bacteria, such as *Klebsiella*, *Proteus* or other prominent species in water.

Typical composition in g/l

in g per 1 litre of nutrient medium

Gelatin Peptone	16
Casein Hydrolysate	10
Potassium Sulphate, anhydrous	10
Magnesium Chloride, anhydrous	1.4
Agar	11
Cetrimide (in mg)	200
Nalidixic Acid (in mg)	15
Glycerine (in ml)	10

*Adjusted as required to meet performance standards

Microbiological quality control

The Microbiological Performance Test is carried out in accordance with the requirements BS EN ISO 11133:2014 and PhEur. (Microbiological Examination of Non-Sterile Products in accordance with Chapter 2.6.13).

Productivity

Incubation conditions: 2–3 days at 30–35 °C; Inoculum concentration: 80–120 CFU

Organism	Type Strain	Specification	Colony morphology
Pseudomonas aeruginosa	ATCC 10145 / WDCM 00024	50 – 130 %	Blue-Green to greenish colonies with fluorescence under UV light (360 ± 20 nm)

Selectivity

Incubation conditions: 44 ± 4 Hours at 36 ± 2 °C; Inoculum concentration: 10,000–1,000,000 CFU

Organism	Type Strain	Specification	Colony morphology
Enterococcus faecalis	ATCC 19433 / WDCM 00009	Complete inhibition	-
Escherichia coli		Complete inhibition	

Microbial Contamination

Incubation conditions: 5–7 days at 20–25 °C and 5–7 days at 30–35 °C

Specification

No microbial contamination