

# PRODUCT INFORMATION

**Product Type:** PETRI DISHES 90mm

**Cat No. PD170 - CDC + AMIKACIN**

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## **Intended Use:**

Selective isolation of most fastidious anaerobic microorganisms

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## **Principles and uses:**

Culture media is a crucial factor in the success of the anaerobic culture. CDC Agar is supplemented with sheep blood and is presently recognized as the best non-selective solid medium for growth of anaerobes due to the numerous growth factors including: L-cystine, Hemin and Vit K1. Hemin and menadione (vitamin K3) enhance the recovery and pigment production of certain anaerobes. It is recommended for primary isolation of all types of anaerobes found in clinical samples, including those requiring additional growth factors. The addition of Amikacin assures the selective isolation of all common anaerobe pathogens from clinical samples. Amikacin, is added to suppress the growth of facultative anaerobes and aerobes, making the medium more selective for obligate anaerobes. Sheep blood provides essential growth factors and allows for hemolysis observation.

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## **Composition:**

Enzymatic Digest of Casein 10 g/L  
Enzymatic Digest of Animal Tissue 10 g/L  
Yeast Extract 2 g/L  
Sodium Chloride 5 g/L  
Dextrose 1 g/L  
Sodium Bisulfite 0.1 g/L  
Agar 15 g/L  
Hemin 5 mg/L  
Menadione=Vit K3 Sodium 10 mg/L  
Amikacin Sulphate Salt 85 mg/L  
Sheep Blood 70 ml/L

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**Storage:** 2-8 °C

**Appearance:** Opaque, red color

**pH Range:** 7.1 - 7.5

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### Warning and Precautions

For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Petri dishes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Petri Dishes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

If excessive moisture is observed, invert the bottom over an off-set lid and allow to air dry in order to prevent formation of a seal between the top and bottom of the plate during incubation. Storage Instructions: On receipt, store plates in the dark at 2–8 °C. Avoid freezing and overheating. Do not open until ready to use.

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### Performance Testing Results

**GPT:** Inoculum 10-100 cfu

**Inhibitory properties:** Inoculum 10000 cfu

TEST	ATCC	Incubation Temp. (°C)	Incubation Cond	Reaction 1
<i>Bacteroides fragilis</i>	23745	33-37 °C	Anaerobic, 48 hours	Growth
<i>Clostridium perfringens</i>	13124	33-37 °C	Anaerobic, 48 hours	Growth
<i>Escherichia coli</i>	25922	33-37 °C	Anaerobic, 48 hours	Partially inhibited
<i>Proteus mirabilis</i>	4630	33-37 °C	Anaerobic, 48 hours	Partially inhibited

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