

PCB (Plate Count Broth)



Medium used for the cultivation and enumeration of microorganisms.

• CONTENTS (Liter)

Tryptone	5.5 g
Yeast Extract	2.5 g
Dextrose	1.0 g
Final pH = 7.0 ± 0.2 at 25°C	

• PROCEDURE

Suspend 9.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilized by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

• INTERPRETATION

PCB (Plate Count Broth) is a medium used for the cultivation and enumeration of microorganisms. Tryptone and yeast extract provide nitrogen, carbon, vitamins and minerals. Dextrose is the carbohydrate.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium or membrane filtration method. Incubate at 36 ± 1°C for 48 hours. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: clear to slightly opalescent

Color: light amber

Incubation conditions: 36 ± 1°C / 48 hours

Microorganism	ATCC	Inoculum CFU	Growth
<i>Escherichia coli</i>	25922	50-100	good
<i>Staphylococcus aureus</i>	25923	50-100	good

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Eaton, Rice and Baird (ed.). 2005. Standard methods for the examination of water and wastewater, 21st ed., online. American Public Health Association, Washington, D.C.
2. Downes and Ito (ed.). 2001. Compendium of methods for the microbiological examination of foods, 4th ed. American Public Health Association, Washington, D.C.

• PACKAGE

Cat No : MB-P2226 PCB (Plate Count Broth)	500 G
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