

PPLO BROTH

Medium for selective enrichment and purification of *Mycoplasma* from clinical specimens and mixed cultures.

TYPICAL FORMULA (g/l)

Tryptone	10.0
Sodium Chloride	5.0
Heart Extract	5.0
Crystal Violet	0.01

Final pH = 7.8 ± 0.2 at 25 °C.

DIRECTIONS

Suspend 20.0 g of powder in 1 liter of distilled or deionized water. Heat to boiling and shake until completely dissolved. Dispense into final containers. Sterilize in autoclave at 121 °C for 15 minutes.

DESCRIPTION

PPLO Broth is a highly nutritious medium for selective enrichment and purification of *Mycoplasma* (PPLO: Pleuropneumonia-like organisms) from clinical samples and mixed cultures.

TECHNIQUE

Inoculate the specimen using a sterile loop as soon as possible after receipt in the laboratory. Diluting the specimen minimizes the effects of bacterial inhibitors on the growing *Mycoplasma*. Incubate at 36 ± 1 °C for up to 36-72 hours.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige with blue-gray tinge.

Prepared medium

Appearance: clear.

Color: purple.

Incubation conditions: 36 ± 1 °C for 36-72 hours.

Microorganism	ATCC	Growth
<i>Mycoplasma bovis</i>	25523	good
<i>Mycoplasma gallinarium</i>	19708	good
<i>Mycoplasma pneumoniae</i>	15531	good
<i>Streptococcus pneumoniae</i>	6303	none to good

PERFORMANCE AND LIMITATIONS

Since nutritional requirements of microorganisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident.

Store prepared tubes at 2-8 °C.



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REFERENCES

1. APHA (1963) – Diagnostic Procedures and Reagents, 4th ed.
2. Morton, H.E., P.F. Smith, and P.R. Leberman (1951) – Am. J. Syph. **35**, 361-369.

PRESENTATION

Product	REF	Σ
PPLO BROTH (25.0 l)	610109	500 g
PPLO BROTH (5.0 l)	620109	100 g

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	IVD <i>In Vitro</i> Diagnostic Medical Device
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source



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