

2% Ogawa Medium



Medium used for the isolation and cultivation of *Mycobacterium* spp.

• CONTENTS (100 mL)

Monopotassium Phosphate	2.0 g
Magnesium Citrate	0.1 g
Sodium Glutamate	0.5 g
Final pH = 6.5 ± 0.2 at 25°C	

• PROCEDURE

Suspend 2.6 G of powder in 100 mL of distilled or deionized water. Add 4 mL of Glycerol supplement (MB-G1821) and 4 mL of Malachite Green Solution 2% (MB-M0745). Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Aseptically and 200 mL of Egg-Homogenate (MB-E1810). Mix well. Pour into tubes to 5 mL. Arrange tubes in a slanted position. Coagulate and inspissate at 85 - 90°C for 60 minutes.

Malachite Green Solution 2%

1 vial contents	
Malachite Green	0.2 g

• INTERPRETATION

2% Ogawa Medium is a medium used for the isolation and cultivation of *Mycobacterium* spp. Monopotassium phosphate, Magnesium citrate and sodium glutamate are inorganic salts essential for the growth of *Mycobacteria*. Glycerol is the carbon and energy source. Malachite green serves as a selective agent to inhibit bacteria except *Mycobacteria*.

• TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 35 ± 2°C up to 21 days under appropriate condition. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: white

Prepared medium

Appearance: opaque

Color: bluish green

Incubation conditions: 35 ± 2°C / up to 21 days under appropriate condition

Microorganism	ATCC	Inoculum CFU	Growth
<i>Mycobacterium smegmatis</i>	607	heavy	good
<i>Escherichia coli</i>	25922	10 ³	partially inhibited

• 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. Store prepared medium at 2 - 8°C.

• PACKAGE

Cat. No : MB-O0982 2% Ogawa Medium	500 G
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