

ATCC Medium 2511: M9 Minimal Medium

Agar Medium

Agar.....	15.0 g
DI Water.....	500.0 mL

Heat to dissolve agar and autoclave at 121°C.

Broth Medium

DI Water (add to M9 Salt)	500.0 mL
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M9 salts

Na ₂ HPO ₄	12.8 g
KH ₂ PO ₄	3.0 g
NaCl.....	0.5 g
NH ₄ Cl.....	1.0 g
DI Water.....	478.0 mL

Dissolve M9 salts and autoclave at 121°C.

Aseptically add M9 Salts to cooled Agar medium at ~ 50°C.

Filter sterilize supplement solutions and add to medium.

Supplement Solutions

Glucose (20% Solution)	20.0 mL
1 M MgSO ₄ Solution	2.0 mL
1 M CaCl ₂ Solution	0.1 mL
Thiamine (0.5% w/v Solution)	0.1 mL

Dispense complete medium into appropriate vessel.

20% Glucose

Glucose.....	20.0 g
DI Water.....	100.0 mL

1M MgSO₄ Solution

MgSO ₄	1.204 g
DI Water.....	10.0 mL

1M CaCl₂ Solution

1M CaCl ₂	1.110 g
DI Water.....	10.0 mL

0.5% Thiamine Solution

Thiamine.....	0.05 g
DI Water.....	10.0 mL