

ATCC Medium: 2511 M9 Minimal Agar/Broth

For Solid Media

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 ml

Dissolve M9 salts and autoclave at 121°C.

Agar Solution

Agar.....	15 g
DI Water.....	500 ml

Heat to dissolve agar and autoclave at 121°C.

Once both M9 Salts and Agar Solution have cooled to 50°C, aseptically combine both. Add the following filter sterilized solutions:

Glucose (20% Solution).....	20 ml
1 M MgSO ₄ Solution.....	2 ml
1 M CaCl ₂ Solution.....	0.1 ml
Thiamine (0.5% w/v Solution).....	0.1 ml

Dispense complete medium into appropriate vessel.

For Broth

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 ml

Dissolve M9 salts and autoclave at 121°C.

Once both M9 Salts has cooled to 50°C, aseptically combine both. Add the following filter sterilized solutions:

Glucose (20% Solution).....	20 ml
1 M MgSO ₄ Solution.....	2 ml
1 M CaCl ₂ Solution.....	0.1 ml
Thiamine (0.5% w/v Solution).....	0.1 ml

Dispense complete medium into appropriate vessel.

