

ATCC Medium: MD-6032 M9 Medium with 40µg/ml Threonine and 40µg/ml Isoleucine

Updated formulation per Marian Alt 5/07

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.....	400 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

Prepare the following Additive Solutions and add aseptically to the base media.

Threonine.....	40mg
DI Water.....	50ml

Isoleucine.....	40mg
DI Water.....	50ml

Dispense complete medium into appropriate vessel.

Old Preparation

#2511 Broth: M9 Minimal Medium (*see notes*)

For solid medium, add 1.5% agar to the formula below:

Na ₂ HPO ₄ , 6.0 g
KH ₂ PO ₄ , 3.0 g
NaCl, 0.5 g

NH_4Cl , 1.0 g

Distilled water, 990.0 ml.

Adjust pH to 7.4. Autoclave at 121°C.

Add the following filter-sterilized solutions:

1M MgSO_4 , 2.0 ml

20% glucose, 10.0 ml