

ATCC Medium: 2662 R MEDIUM

Basal Solution

KH₂PO₄.....9.11g
DI Water.....915.8ml

Adjust the pH of the Medium to 6.8 using NaOH, autoclave the medium at 121C.
After autoclaving, let the medium cool down to 56C and add following solutions aseptically:

Additive Solution

*¹R Salt.....5mL
*²1M CaCl₂.....0.2mL
*³Trace Element.....1mL
*⁴20% Glucose.....10mL
*⁵Atrazine Suspension.....1mL

*¹R-Salt (for 200ml of solution)

MgSO ₄ x 7H ₂ O	16g
FeSO ₄ x 7H ₂ O	0.4g
HCl	0.8ml
DI WATER	200ml

Filter sterilize

*²1M CaCl₂ Solution

CaCl ₂	1.11g
DI Water	10ml

Filter sterilize

*³Trace Element (for 1L of solution)

ZnSO ₄ x 7H ₂ O	10mg
MnCl ₂ x 4H ₂ O	3mg
H ₃ BO ₄	30mg
CoCl ₂ x 6H ₂ O	20mg
CuCl ₂ x 2H ₂ O	1mg
NiCl ₂ x 6H ₂ O	2mg
Na ₂ MoO ₄ x 2H ₂ O	3mg
DI WATER	1000ml

Filter sterilize

*⁴Glucose Solution

Glucose	2g
DI WATER	10ml

Filter sterilize

*⁵Atrazine Suspension

Atrazine	1g
Methanol	10ml

Sterilize by Autoclaving
(does not go into solution)