

ATCC Medium 1352: Oxalate Maintenance Agar/Broth Medium

K ₂ HPO ₄	0.25 g
KH ₂ PO ₄	0.25 g
(NH ₄) ₂ SO ₄	0.5 g
MgSO ₄ x 7H ₂ O	0.025 g
Sodium acetate	0.82 g
Yeast extract	1.0 g
Sodium oxalate	5.0 g
Resazurin	0.001 g
Na ₂ CO ₃	4.0 g
Cysteine HCl x H ₂ O	0.5 g
Agar (if required)	15.0 g
DI Water	1.0 L

Mix ingredients except Na₂CO₃ and cysteine.

Adjust pH to 6.8, heat to boiling and then cool while gassing with O₂-free CO₂.

Add sodium carbonate and cysteine and tube under a CO₂ atmosphere using Hungate or VPI Anaerobe Lab techniques.

Autoclave in press to hold stopper on tubes. Transfer cultures under CO₂ Atmosphere.

***Note:** For agar medium, prepare and autoclave aerobically. Oxidized Medium browns severely with autoclaving. To avoid this, sterilize first five ingredients in one solution, next three items plus agar in a second solution, sodium carbonate as third solution and filter sterilize cysteine. Combine all aseptically and dispense. Final pH of un-gassed agar is 9.0. For Slants don't add the sodium carbonate until after boiling.*

pH of the medium will drop when incubated in 100% CO₂ atmosphere. Browning does not occur when complete medium is autoclaved anaerobically.