

ATCC medium: 1786 *Ilyobacter* medium

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|--|---------|
| MgCl ₂ . 6H ₂ O | 0.4 g |
| KCl..... | 0.5 g |
| Na ₂ SO ₄ | 0.1 g |
| NaCl..... | 1.0 g |
| NH ₄ Cl | 0.3 g |
| Na ₂ HPO ₄ . 12H ₂ O..... | 0.7 g |
| Modified SL-7 Trace Elements (see below)..... | 1.0 ml |
| 0.5% FeCl ₃ | 1.0 ml |
| Selenite/Tungstate Solution (see below)..... | 1.0 ml |
| 0.1% Resazurin..... | 1.0 ml |
| 1.0% CaCl ₂ . 2H ₂ O | 1.0 ml |
| Crotonic acid..... | 1.7 g |
| Yeast extract..... | 1.0 g |
| Sodium Sulfide Solution (see below)..... | 10.0 ml |
| Distilled water..... | 1.0 L |

Adjust to pH 5.5 with NaOH. Boil; cool under 100% N₂. Dispense and tube anaerobically under same gas phase. Autoclave at 121C for 15 minutes. Just before use add sodium sulfide solution to a final concentration of 10 mc/ml medium. Final pH of completed medium should be 6.8-7.2.

Modified SL-7 Trace Elements:

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|---|----------|
| 1 N HCl..... | 3.0 ml |
| ZnCl ₂ | 70.0 mg |
| MnCl ₂ . 4H ₂ O | 100.0 mg |
| H ₃ BO ₃ | 60.0 mg |
| CoCl ₂ . 6H ₂ O | 200.0 mg |
| CuCl ₂ . 2H ₂ O | 20.0 mg |
| NiCl ₂ . 6H ₂ O | 20.0 mg |
| Na ₂ MoO ₄ . 2H ₂ O..... | 40.0 mg |
| Distilled water..... | 1.0 L |

Selenite/Tungstate Solution:

| | |
|---|--------|
| NaOH..... | 0.5 g |
| Na ₂ SeO ₃ . 5H ₂ O..... | 3.0 mg |
| Na ₂ WO ₄ . 2H ₂ O..... | 4.0 mg |
| Distilled water..... | 1.0 L |

Sodium Sulfide Solution:

| | |
|---|----------|
| Na ₂ S . 9H ₂ O | 3.6 g |
| Distilled water..... | 100.0 ml |

Bubble with 100% N₂; adjust to pH 7.0 with HCl. Tube anaerobically under same gas phase. Autoclave at 121C for 15 minutes.