

ATCC medium: 1867 *Desulfovibrio halophilus* medium

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| Na ₂ SO ₄ | 3.0 g |
| KCl..... | 0.3 g |
| NH ₄ Cl..... | 0.3 g |
| NaCl..... | 70.0 g |
| MgCl ₂ . 6H ₂ O | 3.0 g |
| KH ₂ PO ₄ | 0.2 g |
| CaCl ₂ . 2H ₂ O | 0.15 g |
| Trace Elements Solution SL-10 (see below)..... | 1.0 ml |
| Wolfe's Vitamin Solution (see below)..... | 10.0 ml |
| Sodium lactate..... | 3.7 ml |
| NaHCO ₃ | 2.5 g |
| Na ₂ S . 9H ₂ O | 0.2 g |
| Distilled water to..... | 1.0 L |

Boil medium minus sodium bicarbonate and sodium sulfide under 90% N₂, 10% CO₂.

Cool rapidly under the same gas phase and add sodium bicarbonate and sodium sulfide. Tube anaerobically under the same gas phase and autoclave at 121C for 15 minutes. Final pH 6.9 - 7.1.

Trace Elements Solution SL-10:

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| HCl (25%)..... | 10.0 ml |
| FeCl ₂ . 4H ₂ O | 1.5 g |
| ZnCl ₂ | 70.0 mg |
| MnCl ₂ . 4H ₂ O | 100.0 mg |
| H ₃ BO ₃ | 6.0 mg |
| CoCl ₂ . 6H ₂ O | 190.0 mg |
| CuCl ₂ . 2H ₂ O | 2.0 mg |
| NiCl ₂ . 6H ₂ O | 24.0 mg |
| Na ₂ MoO ₄ . 2H ₂ O..... | 36.0 mg |
| Distilled water..... | 990.0 ml |

Dissolve FeCl₂ in the HCl, dilute with water, add and dissolve the other salts, adjust pH to 6.0 with NaOH, and fill up to 1.0 L.

Wolfe's Vitamin Solution:

Available from ATCC as a sterile ready-to-use liquid (Vitamin Supplement, catalog no. MD-VS).

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| Biotin..... | 2.0 mg |
| Folic acid..... | 2.0 mg |
| Pyridoxine hydrochloride.... | 10.0 mg |
| Thiamine . HCl..... | 5.0 mg |
| Riboflavin..... | 5.0 mg |
| Nicotinic acid..... | 5.0 mg |
| Calcium D-(+)-pantothenate... | 5.0 mg |
| Vitamin B12..... | 0.1 mg |
| p-Aminobenzoic acid..... | 5.0 mg |
| Thioctic acid..... | 5.0 mg |
| Distilled water..... | 1.0 L |