

1526. SALINISPIRA (L21 LS) MEDIUM

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|--|--------|----|
| NaCl | 60.0 | g |
| MgCl ₂ x 6 H ₂ O | 6.0 | g |
| KCl | 1.5 | g |
| Na ₂ SO ₄ | 1.0 | g |
| NH ₄ Cl | 1.0 | g |
| CaCl ₂ x 2 H ₂ O | 0.4 | g |
| K ₂ HPO ₄ | 0.4 | g |
| Trace elements solution (see medium 141) | 10.0 | ml |
| Yeast extract (BD Bacto) | 1.0 | g |
| Na-resazurin solution (0.1% w/v) | 0.5 | ml |
| Na ₂ CO ₃ | 1.5 | g |
| Trypticase peptone (BD BBL) | 1.0 | g |
| D-Glucose | 1.0 | g |
| Vitamins solution (see medium 141) | 10.0 | ml |
| L-Cysteine-HCl x H ₂ O | 0.5 | g |
| Na ₂ S x 9 H ₂ O | 0.5 | g |
| Distilled water | 1000.0 | ml |

Dissolve ingredients except carbonate, peptone, glucose, vitamins, cysteine and sulfide, then sparge medium with 80% N₂ and 20% CO₂ gas mixture for 30 – 45 min to make it anoxic. Dispense medium under the same gas atmosphere into anoxic Hungate-type tubes or serum vials and autoclave. Add peptone, glucose, vitamins, cysteine and sulfide from sterile anoxic stock solutions prepared under 100% N₂ gas (vitamins are sterilized by filtration) and carbonate from a sterile anoxic stock solution prepared under 80% N₂ and 20% CO₂ gas mixture. Prior to use adjust pH of complete medium to 7.3 - 7.5, if necessary.

Note: Use at least 5-10% (v/v) inoculum.