

1679. Cyanobacteria Medium 2xASN3

| | Volume [ml/l] | Stock Solutions [g/l] |
|--|------------------|--------------------------|
| NaCl | 200 | 250 |
| MgCl ₂ x 6H ₂ O | 20 | 200 |
| KCl | 20 | 50 |
| Mg(SO ₄) x 7H ₂ O | 20 | 350 |
| CaCl ₂ x 2H ₂ O | 20 | 50 |
| Na ₃ -citrate x 2H ₂ O | 10 | 0.6 |
| Na ₂ -EDTA x 2H ₂ O | 10 | 0.1 |
| Trace Metal Mix | 1.0 | - |

Adjust to 1000ml with H₂O dist. water and autoclave.

After cooling, add the following filter sterilized components

| | Volume [ml/l] | Stock Solutions [g/l] |
|---|------------------|--------------------------|
| NaNO ₃ | 2.5 | 300 |
| K ₂ HPO ₄ x 3H ₂ O | 2.5 | 8.0 |
| Na ₂ CO ₃ | 1.0 | 20 |
| Fe-NH ₄ -citrate | 0.5 | 6.0 |
| Vitamine B12 | 1.0 | 0.02 |

2xASN3 Stock Solutions

| | [g/l] | [ml/l] | | |
|--|---|--------|-------|-----------------------|
| <u>Trace metal</u> <u>Mix</u> | H ₃ BO ₃ | 2.9 | <- | |
| | MnCl ₂ x 4H ₂ O | 1.81 | <- | |
| | ZnSO ₄ x 7H ₂ O | 0.22 | <- | |
| | Na ₂ MoO ₄ x 2H ₂ O | 0.39 | <- | |
| | CuSO ₄ x 5H ₂ O | -> | 10 ml | 0.8g/100ml Stock Sol. |
| | Co(NO ₃) ₂ x 6H ₂ O | -> | 10 ml | 0.5g/100ml Stock Sol. |