

514b: MEDIUM 514 plus additional salt

This recipe contains strain-specific modifications for *Saccharospirillum salsuginis* DSM 19800 *

Final pH: 7.6

Final volume: 1000 ml

| | | |
|--|--------------|----------|
| Main sol. 514 | 1000.00 | ml |
| Agar (adjust in required in range 15-20), for solid medium | 17.50 | g/l |
| NaCl | 80.00 | g |

1. Use medium 514 to which is added NaCl at the concentration indicated (i.e. "514 + 6% NaCl" indicates use medium 514 to which 60 g/l NaCl has been added; see strain dependant modifications).
2. Final pH 7.6. The medium may be solidified by adding 15 - 20 g/l agar.

* Supplement medium with 80.0 g NaCl.

Main sol. 514 (from medium 514)

| | | |
|-----------------------------------|---------|----|
| Bacto peptone | 5.00 | g |
| Yeast extract (Bacto) | 1.00 | g |
| Fe(III) citrate | 0.10 | g |
| NaCl | 19.45 | g |
| MgCl ₂ (anhydrous) | 5.90 | g |
| Na ₂ SO ₄ | 3.24 | g |
| CaCl ₂ | 1.80 | g |
| KCl | 0.55 | g |
| NaHCO ₃ | 0.16 | g |
| KBr | 0.08 | g |
| SrCl ₂ | 34.00 | mg |
| H ₃ BO ₃ | 22.00 | mg |
| Na-silicate | 4.00 | mg |
| NaF | 2.40 | mg |
| (NH ₄)NO ₃ | 1.60 | mg |
| Na ₂ HPO ₄ | 8.00 | mg |
| Distilled water | 1000.00 | ml |

Final pH should be 7.6 ± 0.2 at 25°C. If using the complete medium from Difco add 37.40 g to 1 litre water.