

Murashige and Skoog (MS) Medium

Description: Powder, with macronutrients and micronutrients (Murashige & Skoog, 1962).

| Micronutrients | mg/L |
|--|-------|
| Boric acid | 6.2 |
| Cobalt Chloride.6H ₂ O | 0.025 |
| Cupric Sulfate. 5H ₂ O | 0.025 |
| Manganese Sulfate H ₂ O | 16.9 |
| Potassium Iodide | 0.83 |
| Sodium Molybdate 2H ₂ O | 0.25 |
| Zinc Sulfate 7H ₂ O | 8.6 |
| FeSO ₄ .7H ₂ O | 27.8 |
| Na ₂ EDTA.2H ₂ O | 37.26 |
| | |
| Macronutrients | |
| Calcium Chloride, anhydrous | 332.2 |
| Ammonium Nitrate | 1650 |
| Magnesium Sulfate, anhydrous | 180.7 |
| Potassium Nitrate | 1900 |
| Potassium Phosphate Monobasic | 170 |
| | |

Working Conc. (g/L): 4.33g

pH: 3.5 – 4.5

Instruction to use: Mix 4.33 grams per 1 liter of water. Heat with frequent agitation until dissolved. Autoclave at 121°C for 15 minutes and let it cool.

