

表 1 水培营养液配方\*

Table 1 Nutrition composition of liquid culture medium

| 营养元素              | 浓度(mmol)              | 使用盐类  | 用量(g/L)           |
|-------------------|-----------------------|---|-------------------|
| Nutrient Elements | Concentrations (mmol) | Salts   | Amounts (g/L)     |
| N                 | 2.9                   | NH <sub>4</sub> NO <sub>3</sub>                                     | 116.0             |
| P                 | 0.32                  | NaH <sub>2</sub> PO <sub>4</sub> 2H <sub>2</sub> O                  | 49.9              |
| K                 | 1.0                   | K <sub>2</sub> SO <sub>4</sub>                                      | 87.0              |
| Ca                | 1.0                   | CaCl <sub>2</sub>   | 111.0             |
| Mg                | 1.7                   | MgSO <sub>4</sub> 7H <sub>2</sub> O                                 | 418.0 (500 倍)     |
| Mn                | 9.1×10 <sup>-3</sup>  | MnCl <sub>2</sub> 4H <sub>2</sub> O                                 | 418.0 (500 times) |
| Mo                | 5.2×10 <sup>-4</sup>  | (NH <sub>4</sub> ) <sub>6</sub> MoO <sub>24</sub> 4H <sub>2</sub> O | 1 801.8 (mg/L)    |
| B                 | 1.8×10 <sup>-2</sup>  | H <sub>3</sub> BO <sub>3</sub>                                      | 91.8 (mg/L)       |
| Zn                | 1.5×10 <sup>-4</sup>  | ZnSO <sub>4</sub> 7H <sub>2</sub> O                                 | 1 098.0 (mg/L)    |
| Cu                | 1.6×10 <sup>-4</sup>  | CuSO <sub>4</sub> 5H <sub>2</sub> O                                 | 44.55 (mg/L)      |
| Fe                | 3.6×10 <sup>-2</sup>  | FeCl <sub>3</sub> 6H <sub>2</sub> O                                 | 41.6 (mg/L)       |
|                   |                       | 柠檬酸(水合物)  | 9 738.0 (mg/L)    |
|                   |                       | Citric Acid (Hydrate)   |                   |

注: \*微量元素母液定容到9.5 L后加入500 mL浓硫酸

Note: \* Constant volume the mother liquor which contained microelements to 9.5 L, then added 500 mL of concentrated sulfuric