

**ATCC medium: 277 Medium for *Chlamydomonas* mutant**

|                                             |         |
|---------------------------------------------|---------|
| NaH <sub>2</sub> PO <sub>4</sub> .....      | 0.92 g  |
| K <sub>2</sub> HPO <sub>4</sub> .....       | 1.162 g |
| NH <sub>4</sub> NO <sub>3</sub> .....       | 0.3 g   |
| MgSO <sub>4</sub> . 7H <sub>2</sub> O ..... | 0.3 g   |
| CaCl <sub>2</sub> .....                     | 0.04 g  |
| FeCl <sub>3</sub> . 6H <sub>2</sub> O ..... | 0.01 g  |
| Sodium acetate.....                         | 1.0 g   |
| Sodium citrate.....                         | 0.5 g   |
| Trace Salts Solution (see below).....       | 10.0 ml |
| Agar (for plates).....                      | 18.0 g  |
| Distilled water.....                        | 1.0 L   |

Adjust pH to 6.8. For slants use 1.5% agar. Autoclave at 121C for 15 minutes.

*Trace Salts Solution:*

|                                                                       |         |
|-----------------------------------------------------------------------|---------|
| H <sub>3</sub> BO <sub>3</sub> .....                                  | 0.15 g  |
| MnSO <sub>4</sub> . 4H <sub>2</sub> O .....                           | 0.04 g  |
| LiSO <sub>4</sub> . 4H <sub>2</sub> O .....                           | 0.1 g   |
| CoCl <sub>2</sub> .....                                               | 0.02 g  |
| CuSO <sub>4</sub> . 5H <sub>2</sub> O .....                           | 0.004 g |
| (NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> ..... | 0.015 g |
| Distilled water.....                                                  | 1.0 L   |