

TABLE 2. Vesicle transport-related values for *Pleurochrysis carterae*. CV stands for coccolith vesicle.

| Description                               | Value                                              |
|-------------------------------------------|----------------------------------------------------|
| Ca <sup>2+</sup> content of one coccolith | 3.3 fmol (van der Wal et al. 1983b)                |
| Coccolith formation time                  | 24 min (van der Wal et al. 1983b)                  |
| [Ca <sup>2+</sup> ] of coccolithosomes    | 6 mol · L <sup>-1</sup> (van der Wal et al. 1983b) |
| Vesicle radius                            | 200 nm (Fig. 19 in Outka and Williams 1971)        |
| Vesicle surface                           | 0.5 μm <sup>2</sup> , calculated                   |
| [Ca <sup>2+</sup> ] in vesicles           | 0.6 mol · L <sup>-1</sup> , calculated             |
| Ca <sup>2+</sup> content of one vesicle   | 21 amol, calculated                                |
| CV surface                                | 5 μm <sup>2</sup> , calculated                     |

- Outka, D. E. & Williams, D. C. 1971. Sequential coccolith morphogenesis in *Hymenomonas carterae*. *J. Protozool.* 18:285–97.
- van der Wal, P., de Jong, L., Westbroek, P. & de Bruijn, W. C. 1983b. Calcification in the coccolithophorid alga *Hymenomonas carterae*. *Ecol. Bull.* 35:251–8.