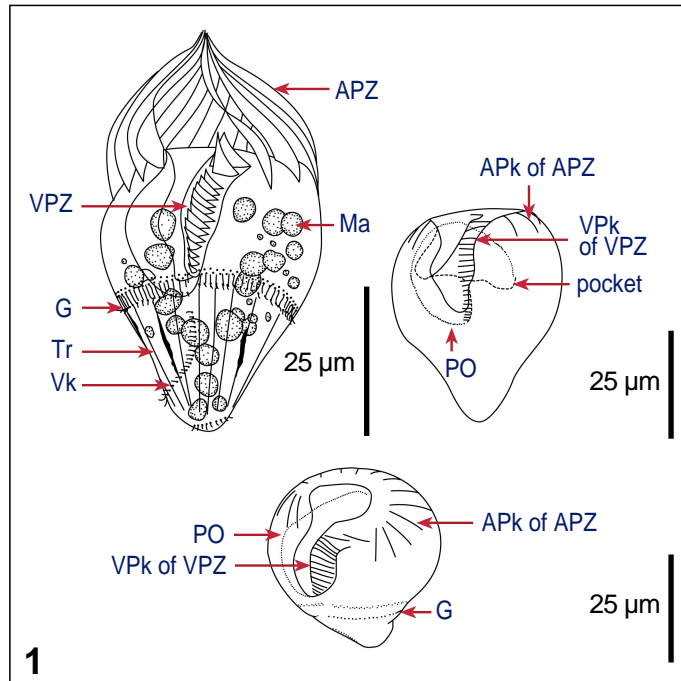


# *Strombidium lynni* Martin & Montagnes 1993



## Key features

Cell almost heart-shaped; deep oral cavity with complex pocket; APZ and VPZ distinctly separated; girdle equatorial to subequatorial; ventral kinetids clockwise (when viewed from posterior); multiple spheroid macronuclei, scattered throughout the cytoplasm

## Measurements

Length: 50 (35-60) µm  
Width: 35 (25-40) µm  
No of APk: 15 (14-20)  
No of VPk: 18 (15-21)  
Ma diameter: 4-8 µm  
Biovolume: 20,000 µm<sup>3</sup>

## Movement

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## Food

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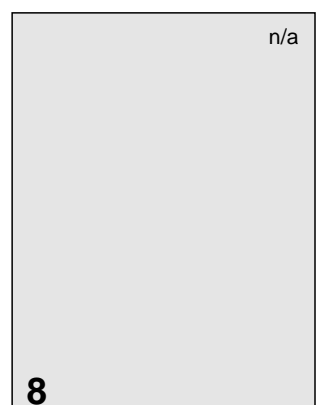
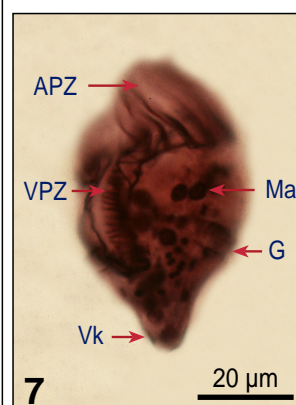
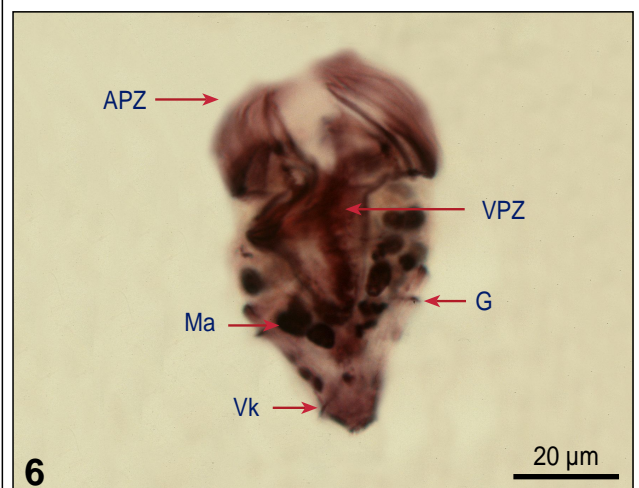
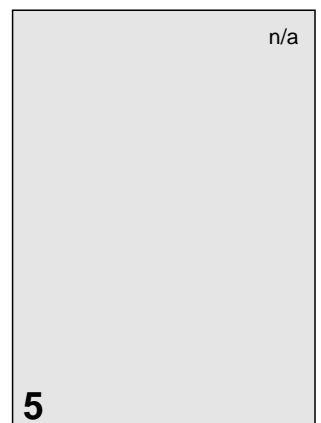
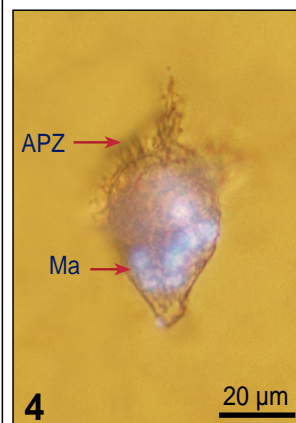
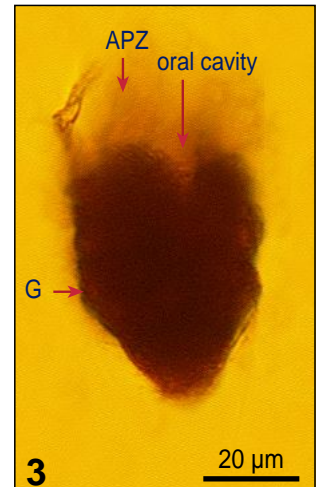
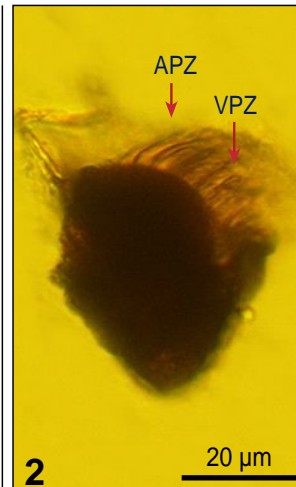
## Ecological data

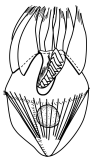
Temperature: 6-9 °C  
Salinity: 25 ‰

## References

Agatha S (unpubl.); Martin A & Montagnes DJS 1993

**Fig 1** Line drawings of protargol stained cells, showing kineties, oral structures and nuclei. **Fig 2,3** Lugol's fixed cells, lateral view. **Fig 4** Lugol's fixed and DAPI stained cell, illustrating macronuclear fragments. (**Fig 5** SEM of Lugol's fixed cell.) **Fig 6** Protargol stain, ventral view, showing characteristic features. **Fig 7** Protargol stain, ventral view.





# *Strombidium lynn timer* Martin & Montagnes 1993

## Species description

**Cell almost heart-shaped**, anterior cylindrical, posterior conical; 50 (35-60)  $\mu\text{m}$  long and 35 (25-40)  $\mu\text{m}$  wide (Fig 1,2,3,6,7); numerous trichites insert anterior to the girdle, extend internally and posteriorly (Fig 1).

**Deep oral cavity with complex pocket** (Fig 1,6,7); 15 (14-20) APks and 18 (15-21) VPks, **APZ distinctly separated from VPZ** (Fig 1,6,7); the two most anterior VPks are distinctly offset from the others (Fig 1).

**Girdle kinety equatorial to subequatorial**, completely surrounding the cell except a small ventral gap (Fig 1,3,6,7), kinetids with short cilia; **ventral kinety** begins about 5  $\mu\text{m}$  below the girdle, **spirals clockwise** about once around the cell **when viewed from posterior** (Fig 1,6,7).

**Multiple spheroid macronuclei, scattered throughout the cytoplasm** (Fig 1,4,6,7).

## Similar species

*Laboea strobila* (girdle spirals about five times around the cell, not the ventral kinety, appearance more screw-like), *Strombidium mirabile*, *S. testaceum* (both with straight ventral kinety, only one macronucleus), *S. constrictum* (ventral kinety not spiralling, only one V-shaped macronucleus)

## List of synonyms

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## Taxonomical remarks

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## Notes