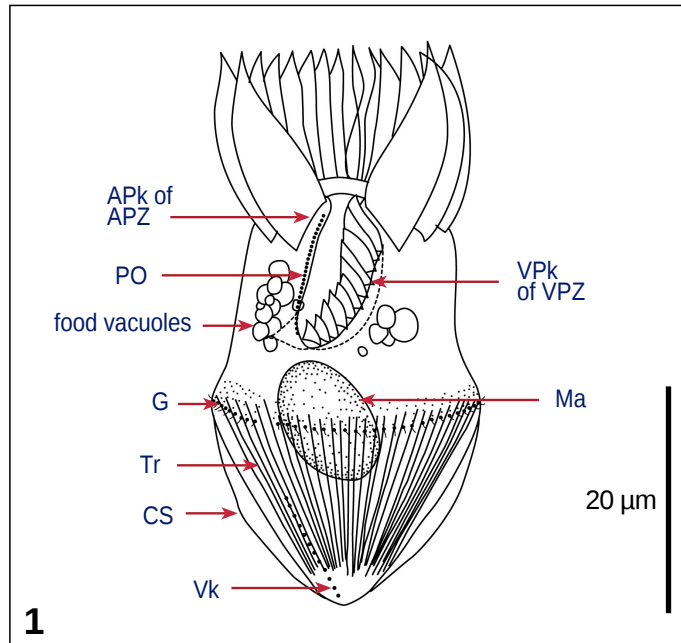


Strombidium emergens (Leegaard, 1915) Kahl, 1932



Key features

Cell subconical, anterior cylindrical, posterior pointed; deep ventral groove forms an enclosed sunken pit; APZ distinctly separated from VPZ; girdle kinety subequatorial; one macronucleus, spherical to ovoid, centrally located

Measurements

Length: 35 (25-45) μm
Width: 20 (15-30) μm
No of APk: 15 (12-15)
No of Vpk: 8-11
Ma diameter: 8 x 5 μm
Biovolume: 10,000 μm^3

Movement

-

Food

-

Ecological data

Temperature: 10-20 $^{\circ}\text{C}$
Salinity: 26-32 ‰

References

Kahl A 1932; Leegaard C 1915; Lynn et al. 1988; Montagnes et al. 1990

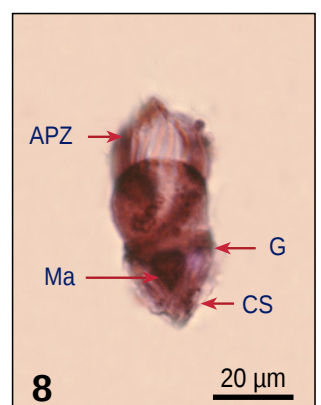
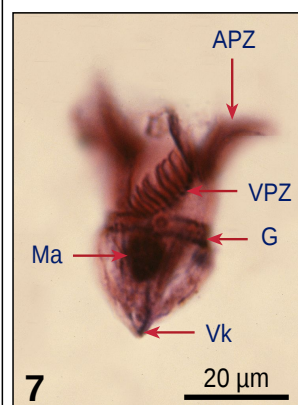
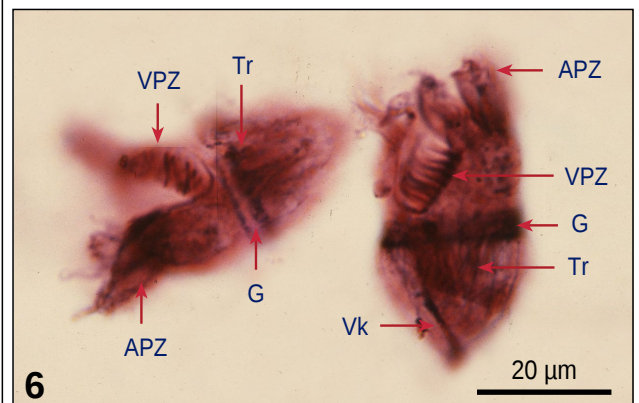
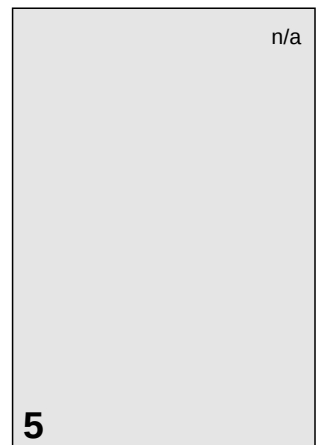
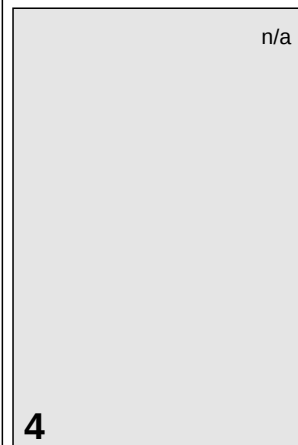
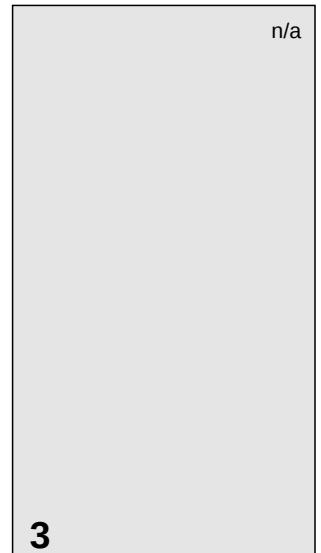
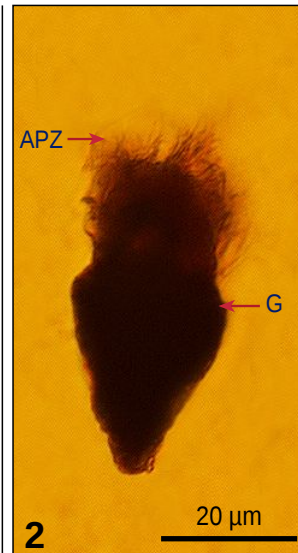
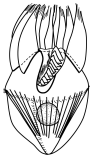


Fig 1 Line drawing of protargol stained cell, showing kineties, oral structures, trichites, and nucleus. **Fig 2** Lugol's fixed cell. (**Fig 4** Lugol's fixed and DAPI stained cell, illustrating nuclear shape. **Fig 5** SEM of Lugol's fixed cell.) **Fig 6-8** Protargol stained cells, lateral and ventral views, showing characteristic features.



Strombidium emergens (Leegaard, 1915) Kahl, 1932

Species description

Body **subconical, anterior slightly cylindrical, posterior pointed**; 35 (25-45) μm long and 20 (15-30) μm wide; numerous trichites insert anterior to the girdle and extend posteriorly (Fig 1,6).

Oral cavity acentric, deep ventral groove forms an enclosed pit (Fig 1,6-8); 15 (12-15) APks and 8-11VPks; **APZ and VPZ distinctly separated** (Fig 1,6,7); paroral kinety long (Fig 1).

Girdle kinety subequatorial - completely surrounding the cell, with short cilia (Fig 1,2,6-8); ventral kinety present, in the posterior third of the cell (Fig 1,6).

One macronucleus, spherical to ovoid, 7 (5-9) μm in diameter; centrally located (Fig 1,7,8).

Similar species

Strombidium compressum (different shape - ratio of length to width smaller); *S. crassulum* (larger, much broader; macronucleus larger and pyriform); *S. oblongum* (girdle not as pronounced); *S. wulffi* (macronucleus in several fragments, girdle supraequatorial, ventral kinety slightly spiralled).

List of synonyms

1915 *Laboea emergens* Leegaard, Nyt Mag Naturvid 53: 21, Fig 11

Taxonomical remarks

Leegaard (1915) originally described the species as *Laboea emergens* but Kahl (1932) transferred it to the genus *Strombidium*. Lynn et al. (1988) described a ciliate as *Strombidium sulcatum* which was later determined to be *Strombidium emergens* (Montagnes et al. 1990).

Notes