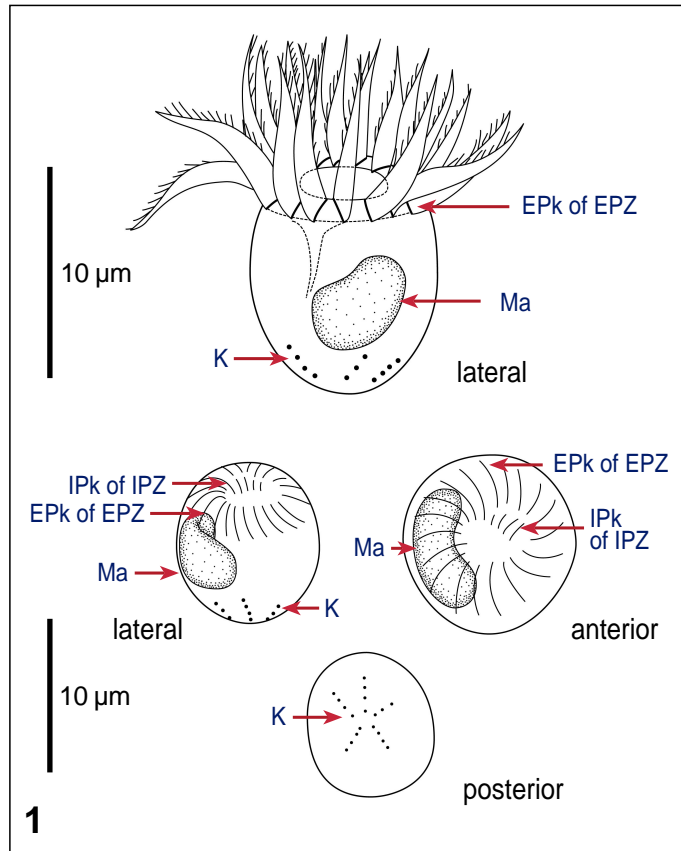


# *Lohmanniella oviformis* Leegaard, 1915



## Key features

Cell almost spherical; oral cavity acentric, narrow; IPks and EPks distinctly separate, but not obvious in Lugol's; one macronucleus, kidney-shaped, lateral; 5 short somatic kineties

## Measurements

Length:	20 (10-25) µm
Width:	15 (10-20) µm
No of EPk:	19 (17-21)
No of IPk:	5 (4-6)
Ma diameter:	13 x 9 µm
Biovolume:	6,000 µm <sup>3</sup>

## Movement

-

## Food

-

## Ecological data

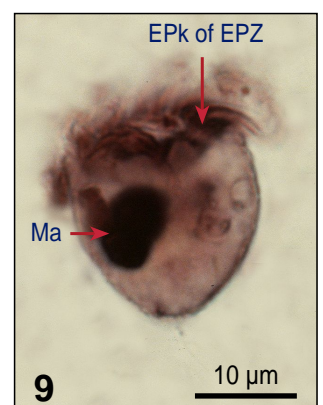
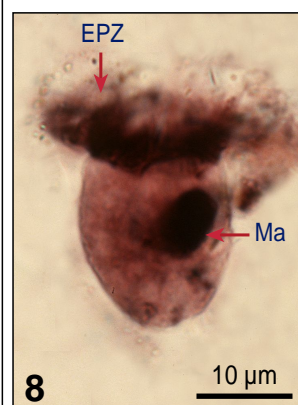
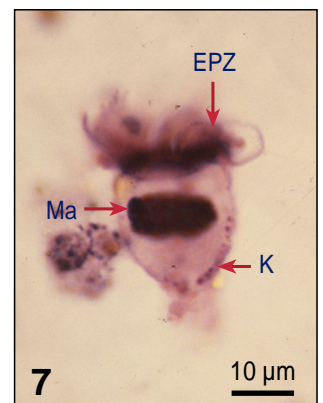
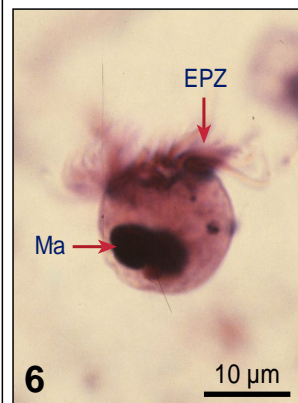
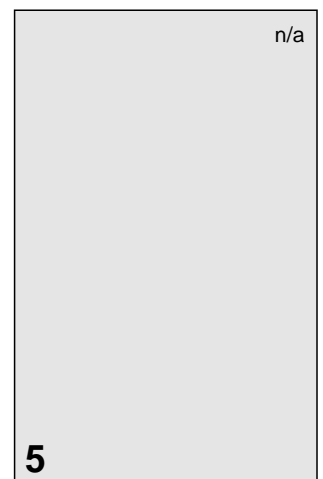
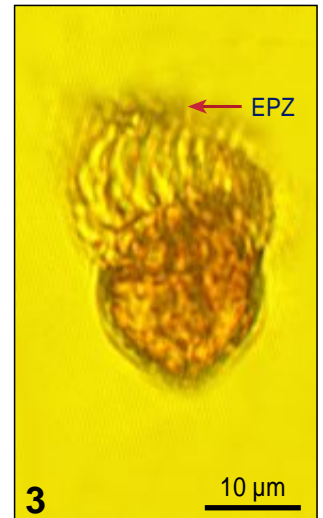
Temperature: 4-18 °C

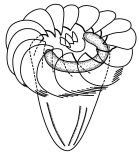
Salinity: 30-32 ‰

## References

Kuylensstierna M & Karlson B 1996-2000 ([www.marbot.gu.se/SSS/others/Lohmanniella\\_oviformis.htm](http://www.marbot.gu.se/SSS/others/Lohmanniella_oviformis.htm)); Leegaard C 1915; Lynn DH & Montagnes DJS 1988

**Fig 1** Line drawings of protargol stained cells, showing kineties, oral structures and nucleus. **Fig 2-4** Lugol's fixed cells: 2,3. Lateral view; 4. Aboral view. (**Fig 5** Lugol's fixed and DAPI stained cell, illustrating nuclear shape.) **Fig 6-9** Protargol stains, lateral view, showing EPZ, somatic kineties, and macronucleus.





# *Lohmanniella oviformis* Leegaard, 1915

## Species description

**Body subspherical**, 20 (10-25)  $\mu\text{m}$  long and 15 (10-20)  $\mu\text{m}$  in diameter (Fig 1-4,6-9).

**Oral cavity acentric** (Fig 1,11); 17-21 EPks and 4-6 IPks; **IPks and EPks distinctly separate** (Fig 1,11); cytopharyngeal fibres present (not visible in Lugol's fixed material).

**5 short somatic kineties**, each with 3-5 monokinetids, radiate from the posterior pole (Fig 1, 7,12).

**One macronucleus, kidney-shaped, in lateral position** (Fig 1,6-9).

## Similar species

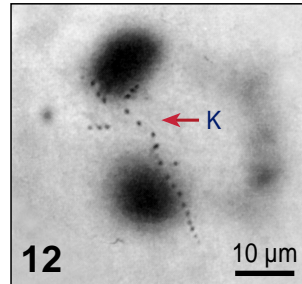
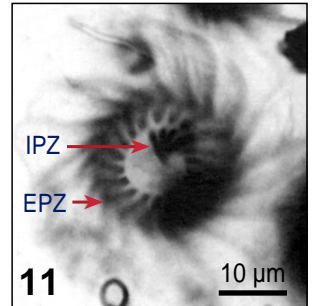
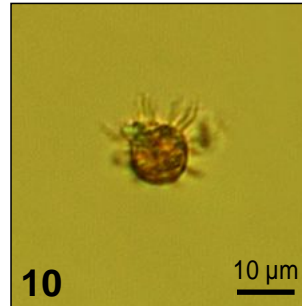
*Leegaardiella sol* (cell shape, much larger, large oral cavity, two macronuclei), *L. ovalis* (slightly larger, EPks differently ciliated, large oral cavity)

## List of synonyms

-

## Taxonomical remarks

-



**Fig 10** Lugol's fixed cell, possibly a different species of the genus *Lohmanniella*. **Fig 11,12** Protargol stains: 11. Apical view, showing the oral structures; 12. Aboral view, showing the somatic kineties in a bird-foot pattern.

## Notes