

## ***Euchlanis dilatata* Ehrenberg, 1832**

**Most likely ID:** n.a.

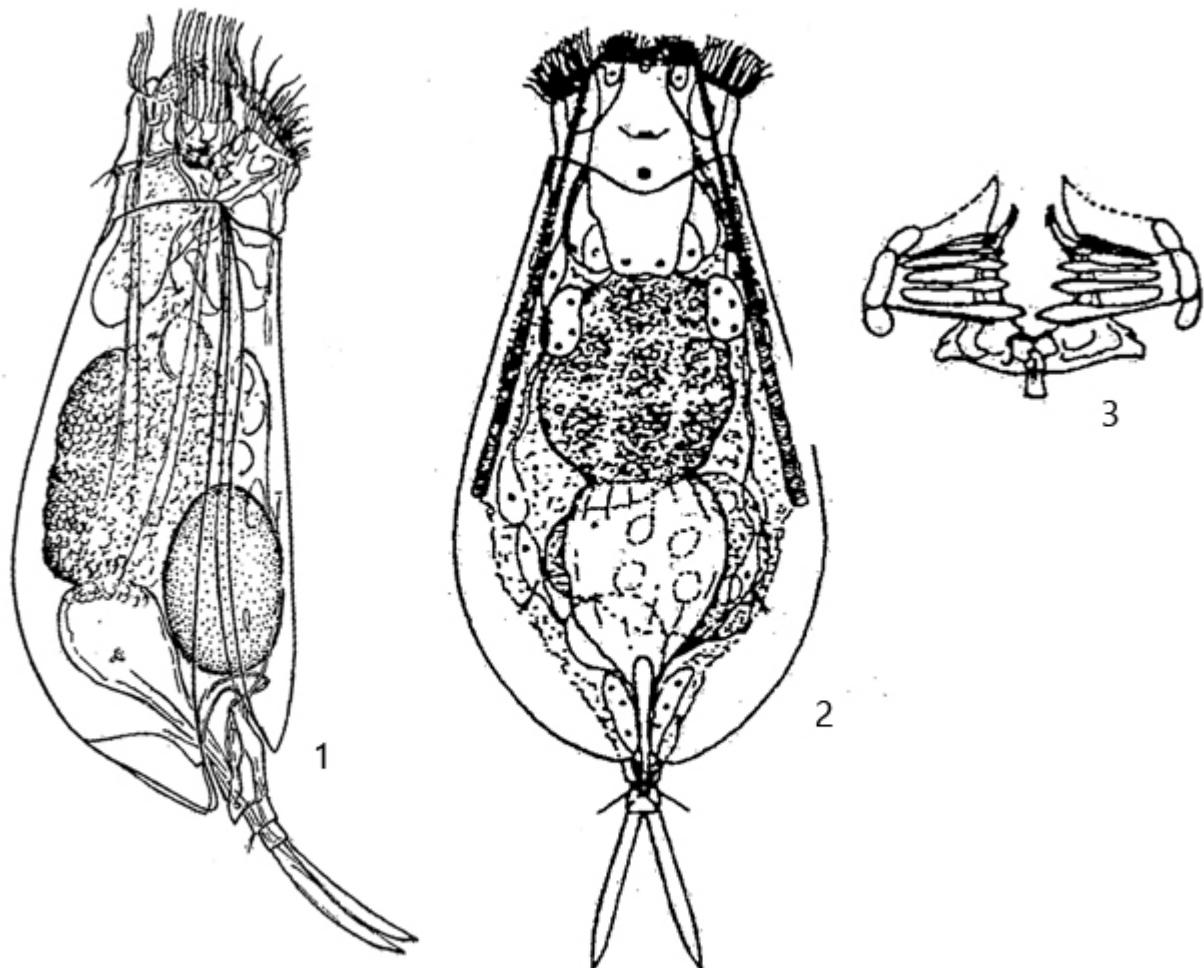
**Synonym:** n.a.

**Sampling location:** [Purren pond](#), [Mainau pond](#), [Ulmisried](#), [Bussenried](#), [Bündlisried](#), [Simmelried](#)

**Phylogenetic tree:** [\*Euchlanis dilatata\*](#)

**Diagnosis:**

- body ovoid
- dorsal plate in cross-section arc of a circle, with U-shaped notch posteriorly
- ventral plate little smaller than dorsal plate, broadly rounded posteriorly
- length of lorica 150–320 µm, width 130–255 µm
- slender toes 50–100 µm long, parallel sided with a short tip
- trophi with 8 club-shaped teeth (4 per uncus)
- a pair of setae at the distal end of first foot segment
- one eyespot with lens



1 = after de Beauchamp  
2,3 = after Myers

### *Euchlanis dilatata*

I find *Euchlanis dilatata* in almost all my sampling sites, mainly between floating water plants. Essential for its identification is the shape of the dorsal and ventral plate. In *Euchlanis dilatata* the dorsal plate is evenly curved in cross section, like a circular section and without keel. The ventral plate is smaller than the dorsal plate and evenly, broadly rounded at the posterior end. The long toes are narrow and parallel-sided. This rotifer feeds on diatoms, desmids and small algae.

More images and information on *Euchlanis dilatata*: [Michael Plewka-Freshwater life-Euchlanis dilatata](#)



**Fig. 1 a-c:** *Euchlanis dilatata*. L = 315  $\mu$ m (of lorica). Three focal planes of a freely swimming specimen. Obj. 20 X.

*Euchlanis dilatata*  
Obj. 40 X



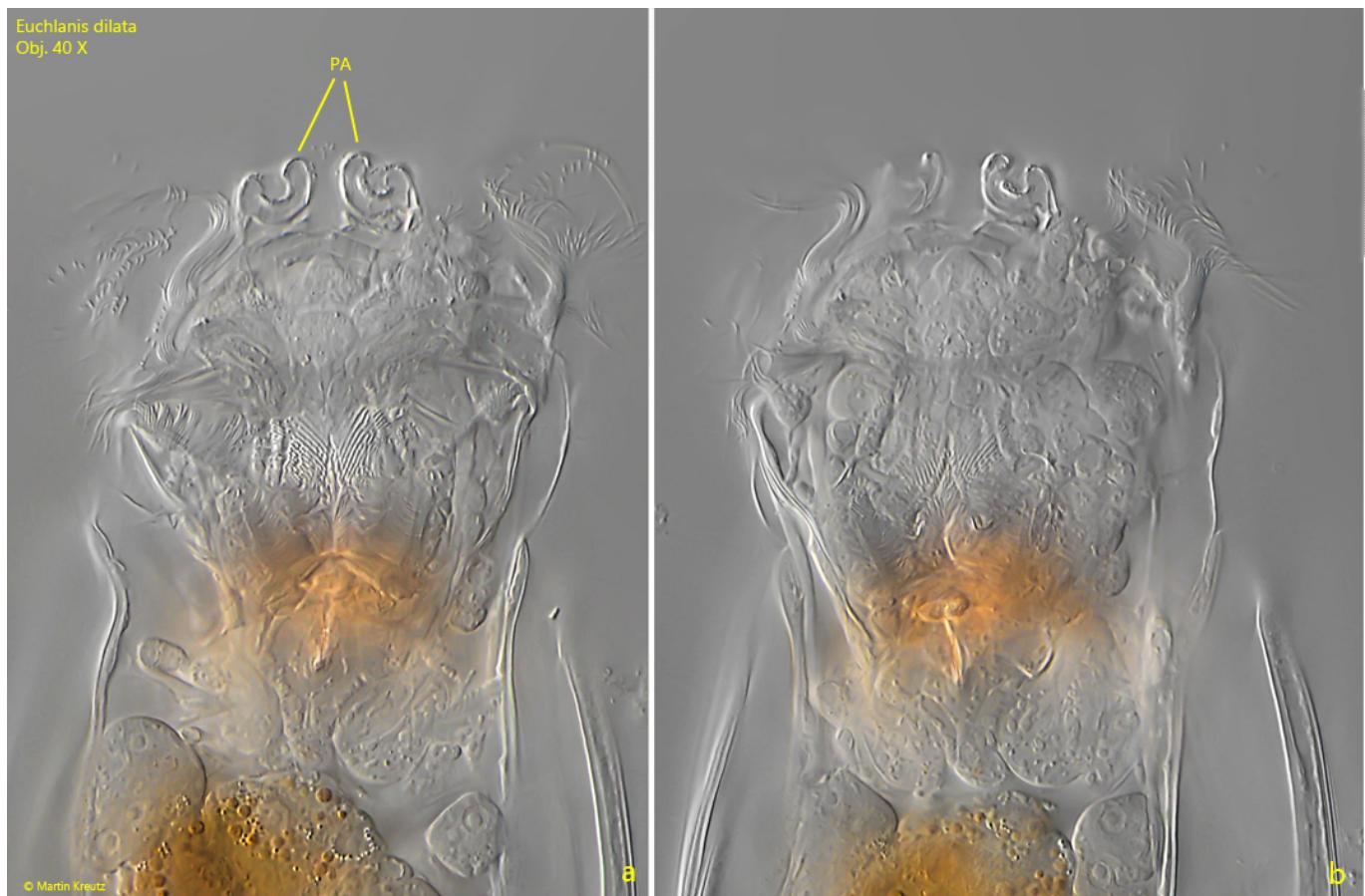
**Fig. 2 a-b:** *Euchlanis dilatata*. L = 274  $\mu$ m (of lorica). Two focal planes from ventral. Note that the ventral plate (VP) is smaller than the dosal plate (DP). Obj. 40 X.

*Euchlanis dilatata*  
Obj. 40 X



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**Fig. 3:** *Euchlanis dilatata*. Dorsal view with the dorsal antenna (DA) and one of the two lateral antennae (LA). NT = nephridial tubes. Obj. 40 X.



**Fig. 4 a-b:** *Euchlanis dilatata*. A freely swimming specimen from ventral. Apically two curved palps (PA) are visible. Obj. 40 X.

*Euchlanis dilata*  
Obj. 100 X

FT

TO

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**Fig. 5:** *Euchlanis dilatata*. The foot (FT) and the toes (TO) in a squashed specimen. The toes have a length of 61  $\mu$ m. Obj. 100 X.

*Euchlanis dilatata*  
Obj. 60 X



**Fig. 6:** *Euchlanis dilatata*. The red eyespot (ES) with a lens (LE) in a strongly squashed specimen. Obj. 60 X.



**Fig. 7 a-b:** *Euchlanis dilatata*. Two focal planes of the trophi in a strongly squashed specimen. Note the club-shaped teeth (CT) of the unci. Obj. 60 X.