

***Euchlanis triquetra* Ehrenberg, 1838**

Most likely ID: n.a.

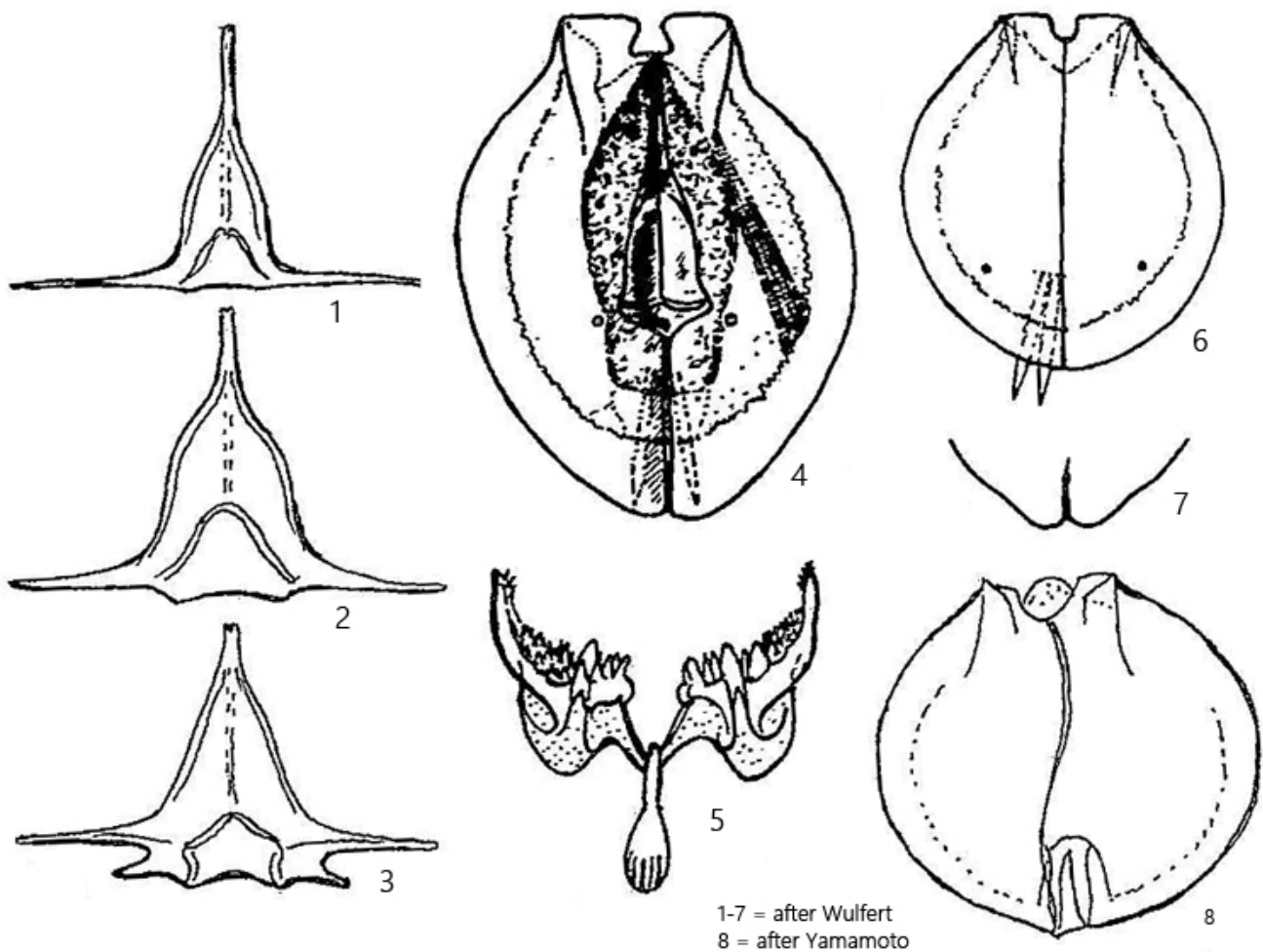
Synonym: n.a.

Sampling location: [Simmelried](#), [Pond St. Ulrich \(Austria\)](#)

Phylogenetic tree: [Euchlanis triquetra](#)

Diagnosis:

- body broad elliptical, dorsal plate tri-radiate
- dorsal plate with a posterior V-shaped notch
- oval ventral plate smaller than dorsal plate
- length of lorica up to 710, width up to 540 µm
- slender toes up to 150 long, parallel sided with a short tip
- stomach usually green, yellow or brown
- a pair of setae at the distal end of first foot segment
- one eyespot with lens



Euchlanis triquetra

Euchlanis triquetra is usually found in bodies of water with many aquatic plants, where this species likes to stay. Its diet consists mainly of algae and flagellates.

Euchlanis triquetra is best identified in freely swimming specimens. It is important to recognize the keel of the dorsal plate of the lorica. The dorsal plate is also wing-like in shape and often has a V-shaped notch at the posterior end. A ventral plate is absent. The lorica can grow up to 710 μm long. In specimens from my population, the loricae were 300–350 μm long.

Euchlanis triquetra can easily be confused with *Euchlanis incisa*. This species also has a dorsal keel. But *Euchlanis incisa* has a clearly visible oval ventral plate, and its lorica is only up to 270 μm long.

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

life-*Euchlanis triquetra*

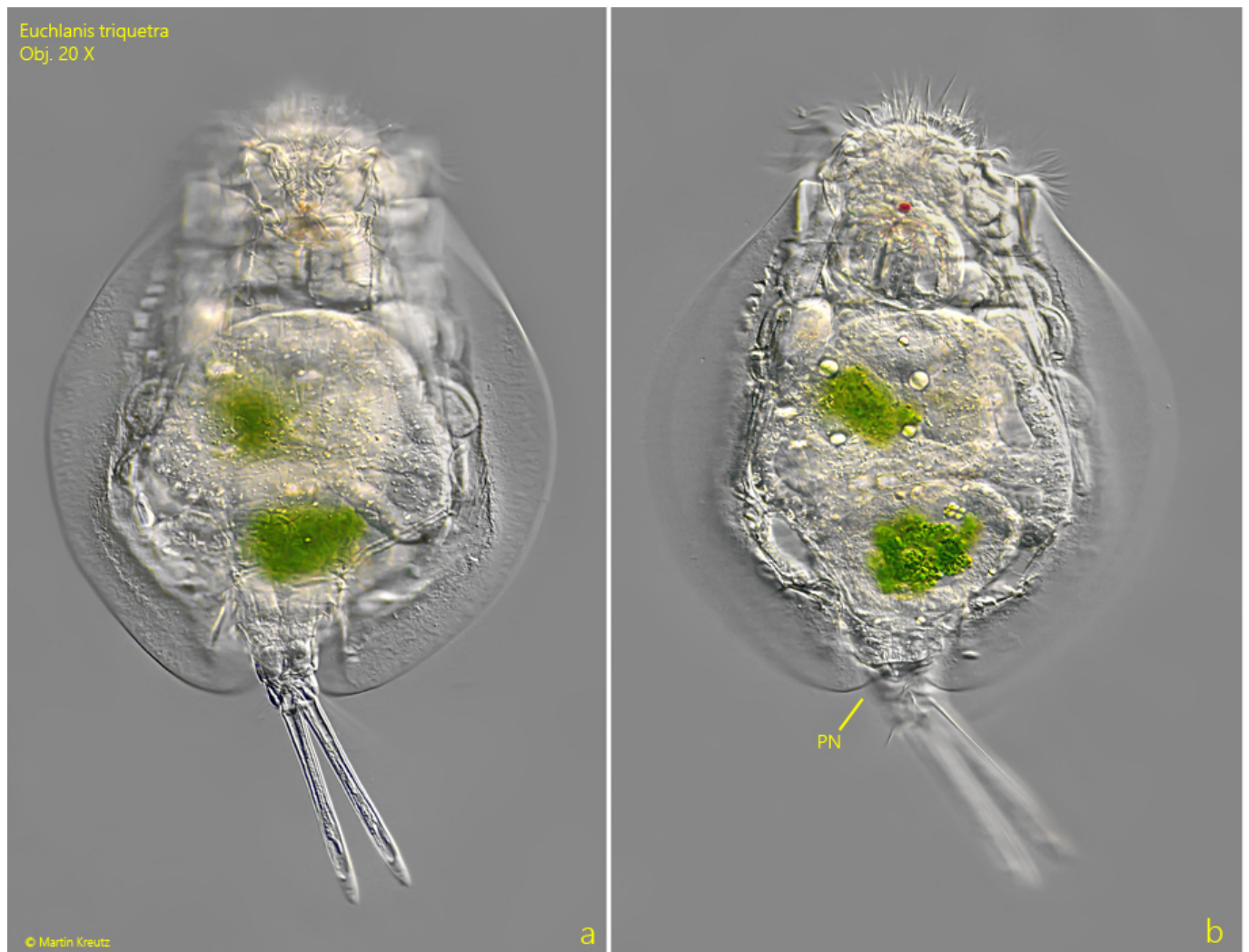


Fig. 1 a-b: *Euchlanis triquetra*. L = 315 μ m (of lorica). Two focal planes of a slightly squashed specimen from ventral. Note the posterior V-shaped notch (PN) of the dorsal plate. Obj. 20 X.

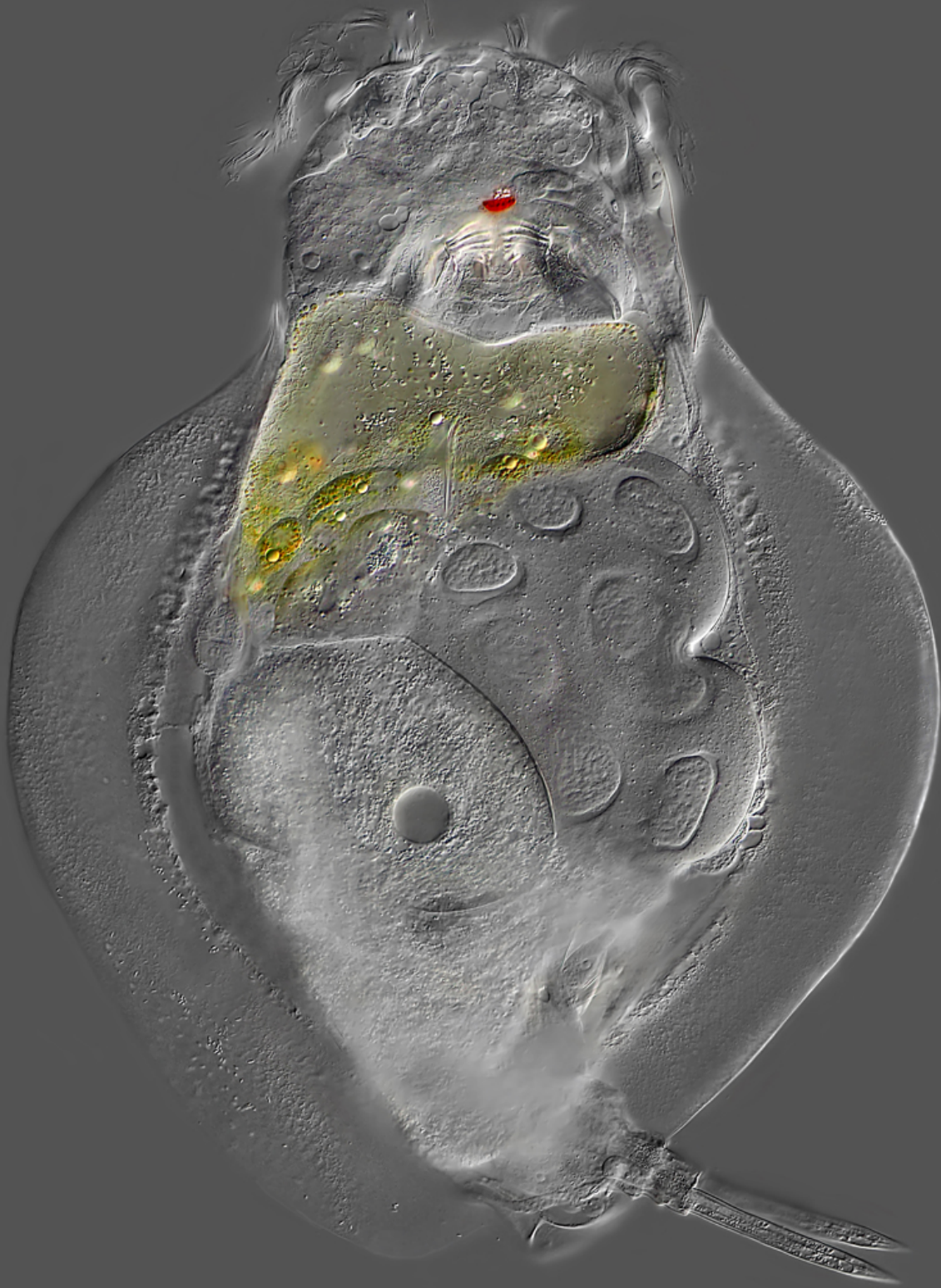


Fig. 2: *Euchlanis triquetra*. L = 325 μ m (of lorica). A freely swimming specimen in brightfield illumination. Obj. 20 X.



Fig. 3: *Euchlanis triquetra*. Apical view of a freely swimming specimen. Note the prominent dorsal keel (DK). Obj. 10 X.

Euchlanis triquetra
Obj. 40 X



© Martin Kreutz

Fig. 4: *Euchlanis triquetra*. L = 334 μ m (of lorica). A slightly squashed specimen from ventral. Obj. 40 X.



Fig. 5 a-b: *Euchlanis triquetra*. L = 340 μ m (of lorica). Two focal planes of the body. Note the two apical palps (PA) and the eyespot with lens (ES). GG = gastric gland, ST = stomach, Vit = vitellarium. Obj. 40 X.

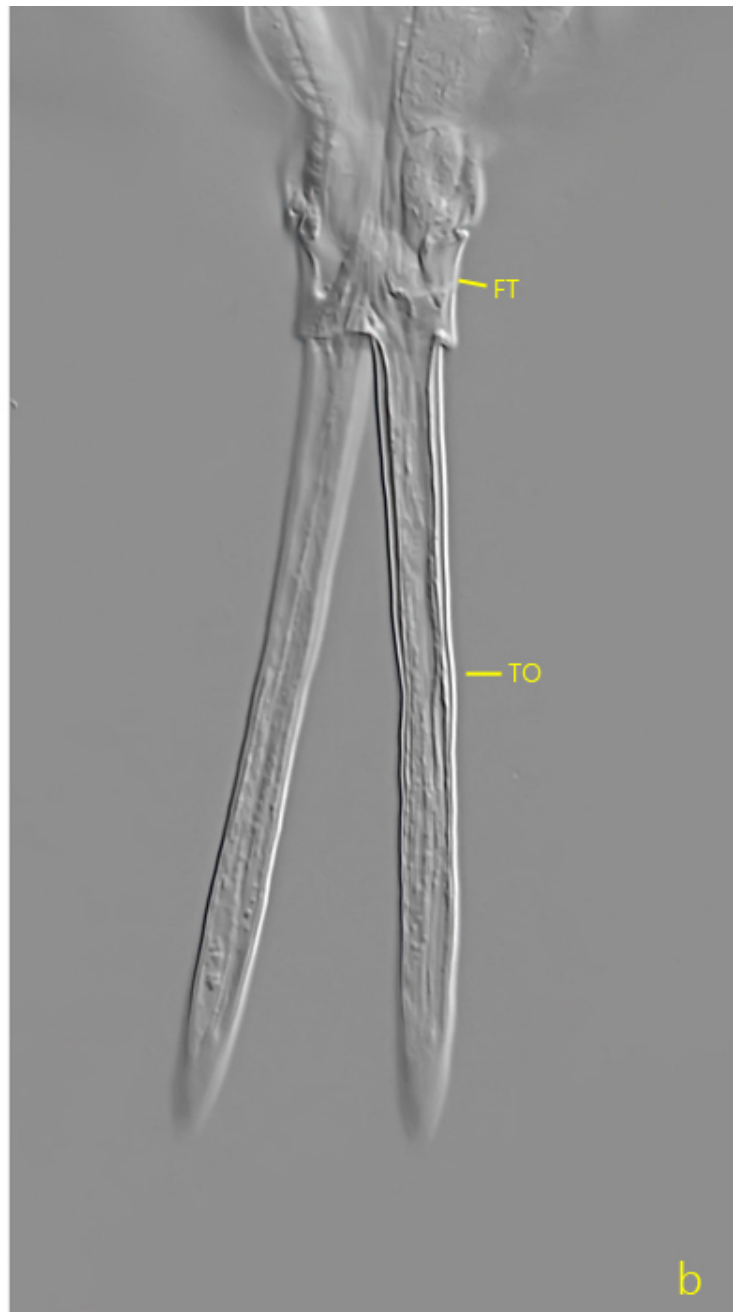
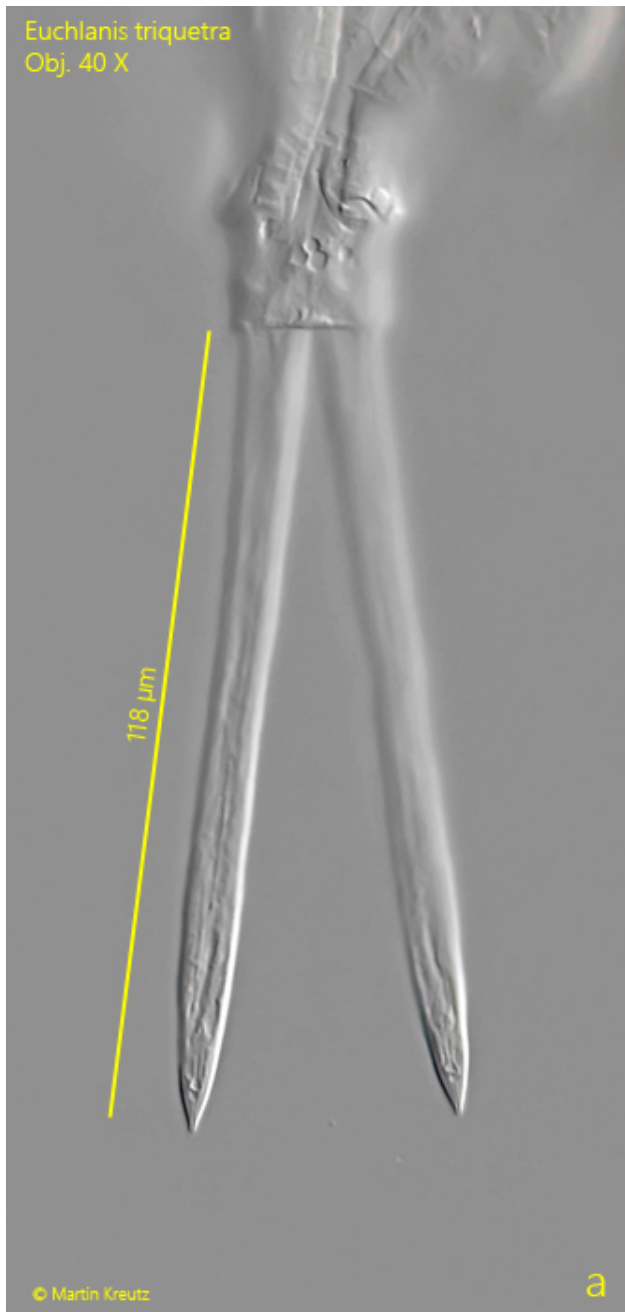


Fig. 6 a-b: *Euchlanis triquetra*. The foot (FO) and the toes (TO) with a length of 118 µm in detail. Obj. 40 X.