

***Trichotria tetractis* (Ehrenberg, 1830)**

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

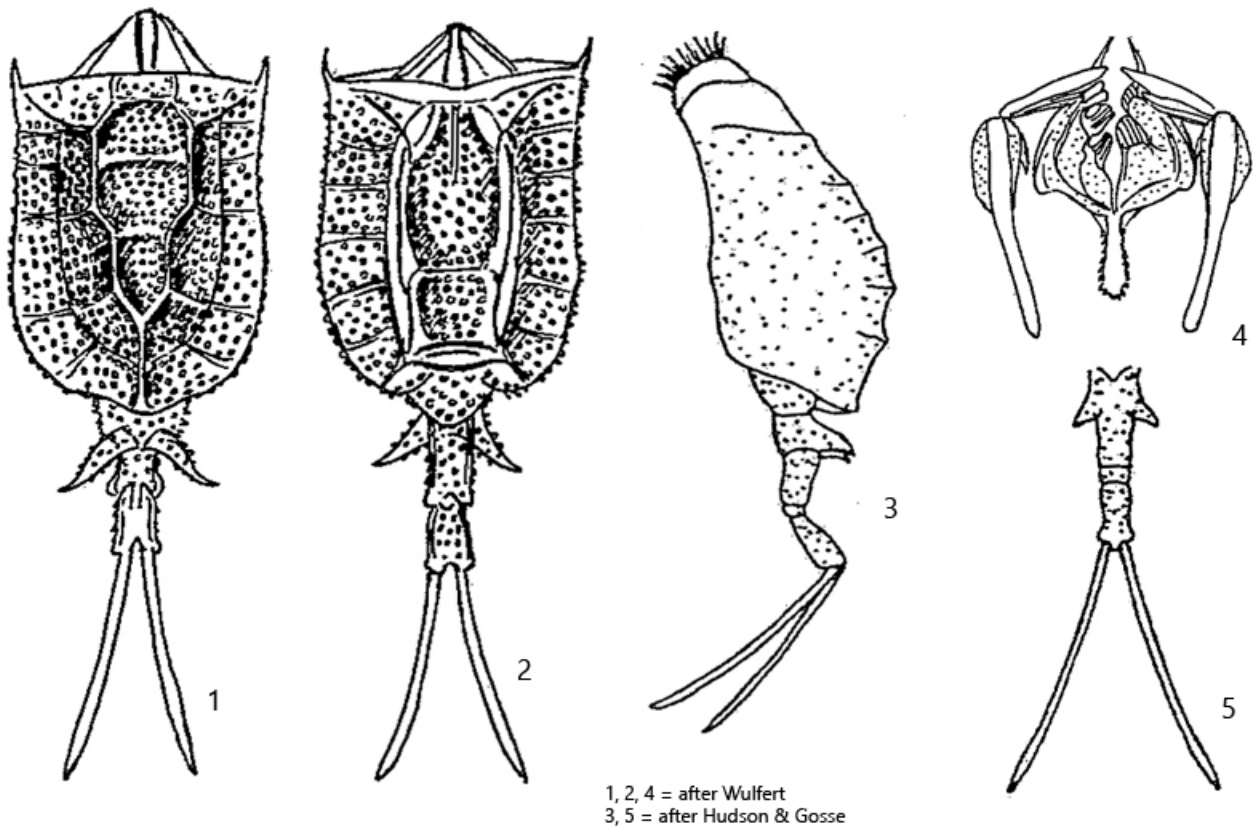
**Synonym:** n.a.

**Sampling location:** [Simmelried](#)

**Phylogenetic tree:** [Trichotria tetractis](#)

**Diagnosis:**

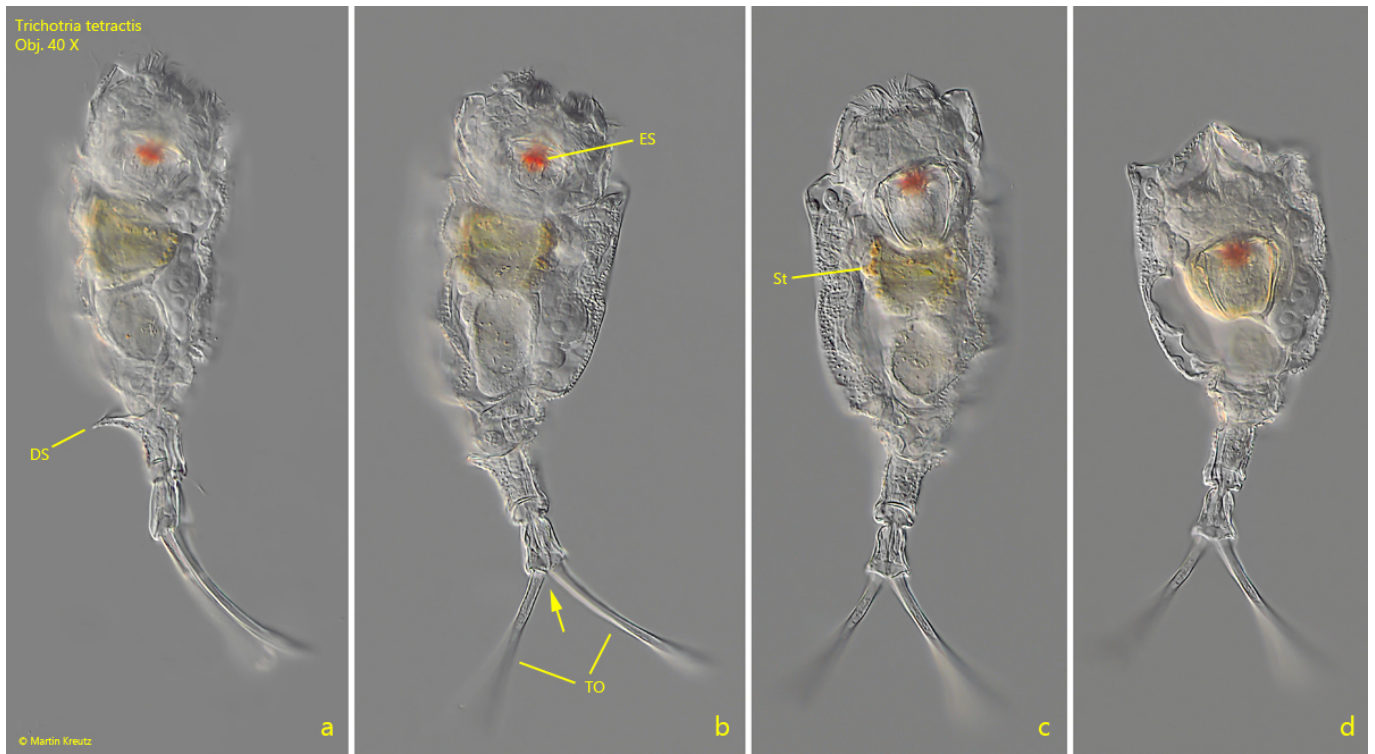
- lorica is one piece, no lateral cleft
- length 256-295  $\mu\text{m}$  (with toes)
- dorsal and ventral side of lorica with large facets and ornamentation
- lateral sides of lorica without spines
- foot of three segments
- first segment of foot with two spines pointing dorsally
- two long, ventrally curved toes with pointed ends



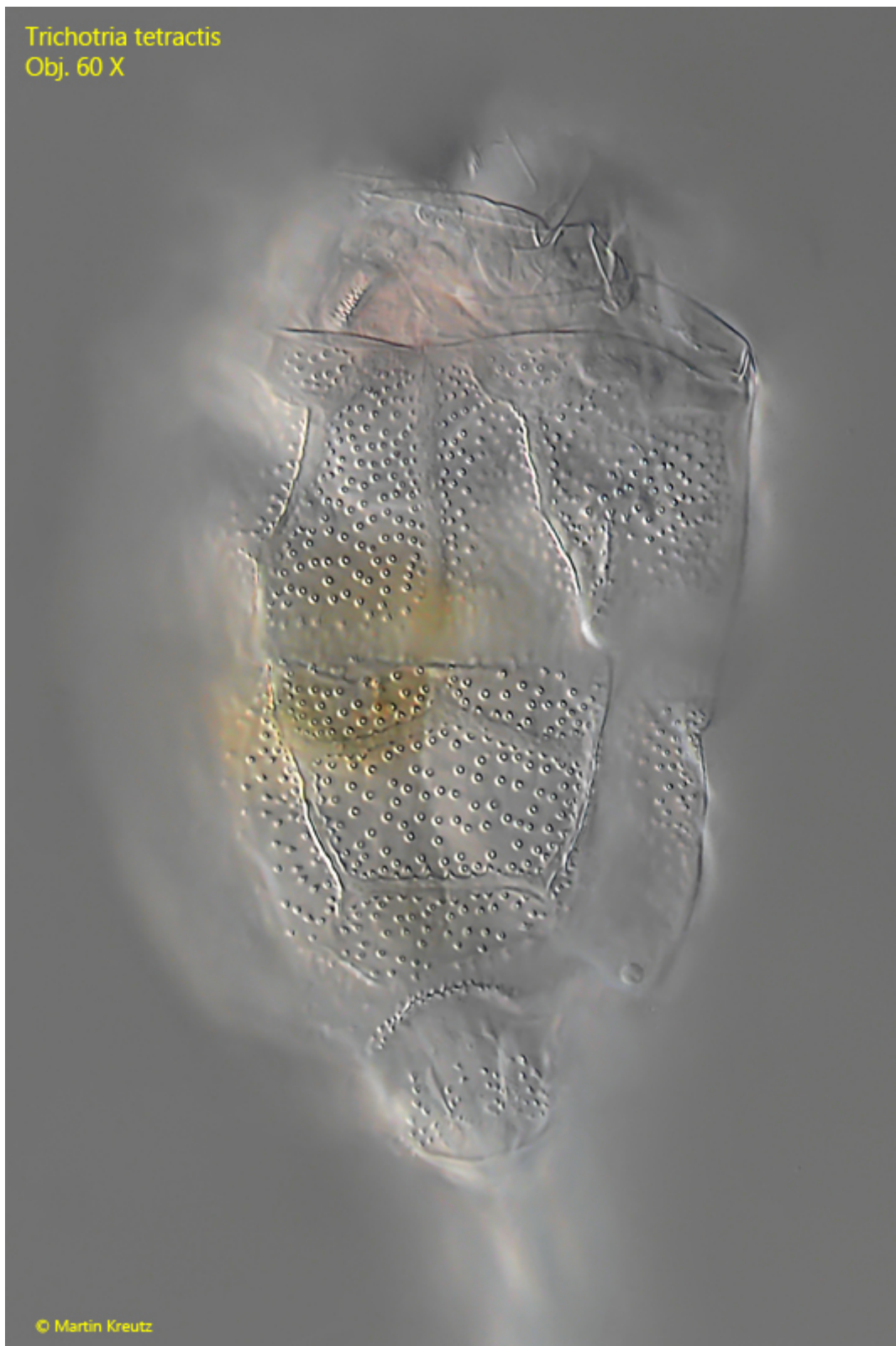
*Trichotria tetractis*

So far I have found *Trichotria tetractis* exclusively in the [Simmelried](#) between floating plants, where the species only occurs sporadically. The shape of *Trichotria tetractis* with its faceted lorica and long toes is very characteristic, making it easy to identify the species. An important feature to distinguish it from the similar species *Trichotria pocillum* is the absence of a spine between the toes (s. fig. 1 b). In addition, *Trichotria pocillum* has much longer dorsal spines on the first segment of the foot. In *Trichotria tetractis* they are short and triangular (s. fig. 1 a).

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



**Fig. 1 a-d:** *Trichotria tetractis*. L = 266  $\mu$ m (with toes). Lateral view from right (a) and ventral view (b, c, d) of a freely swimming specimen. Note the absence of a spine (arrow) between the toes (TO) and the short dorsal spines (DS) of the first foot segment. ES = eyespot, St = stomach. Obj. 40 X.



**Fig. 2 a-b:** *Trichotria tetractis*. The ventral side of the lorica with two large facets and a distinct ornamentation. Obj. 60 X.



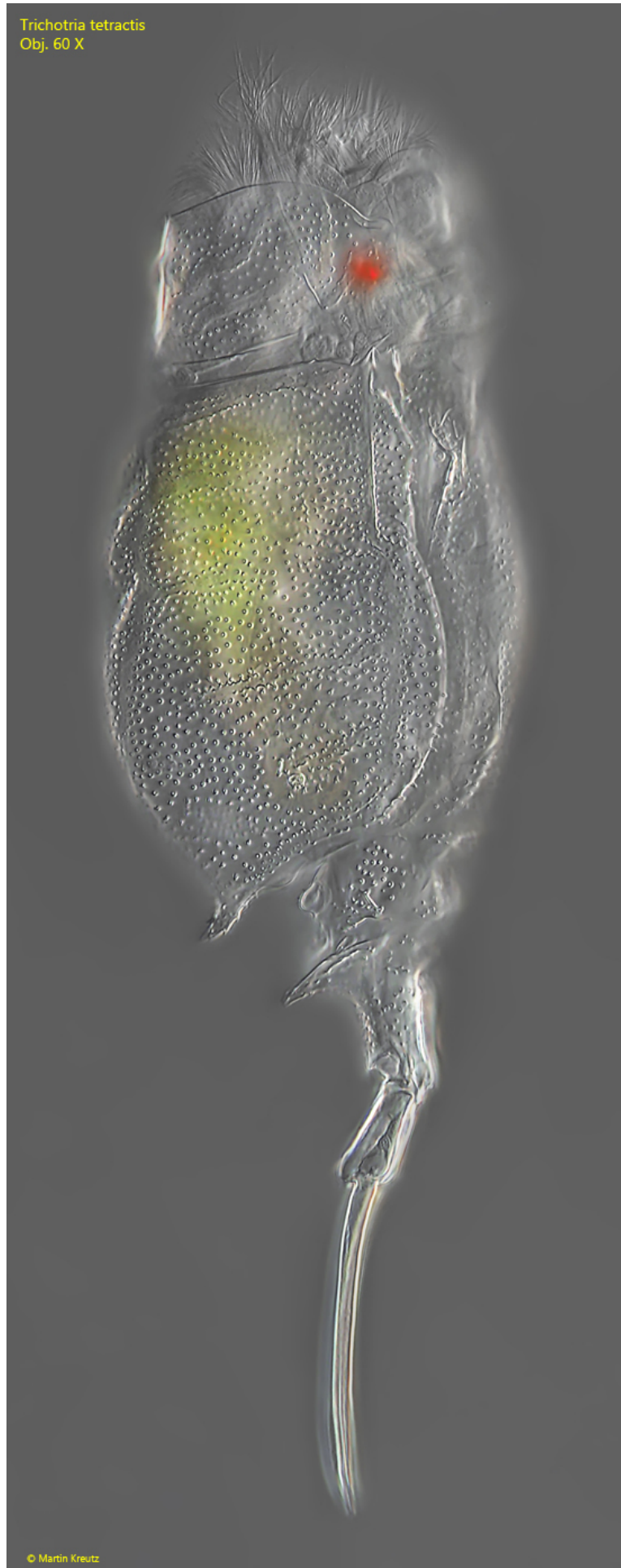
Trichotria tetractis  
Obj. 40 X



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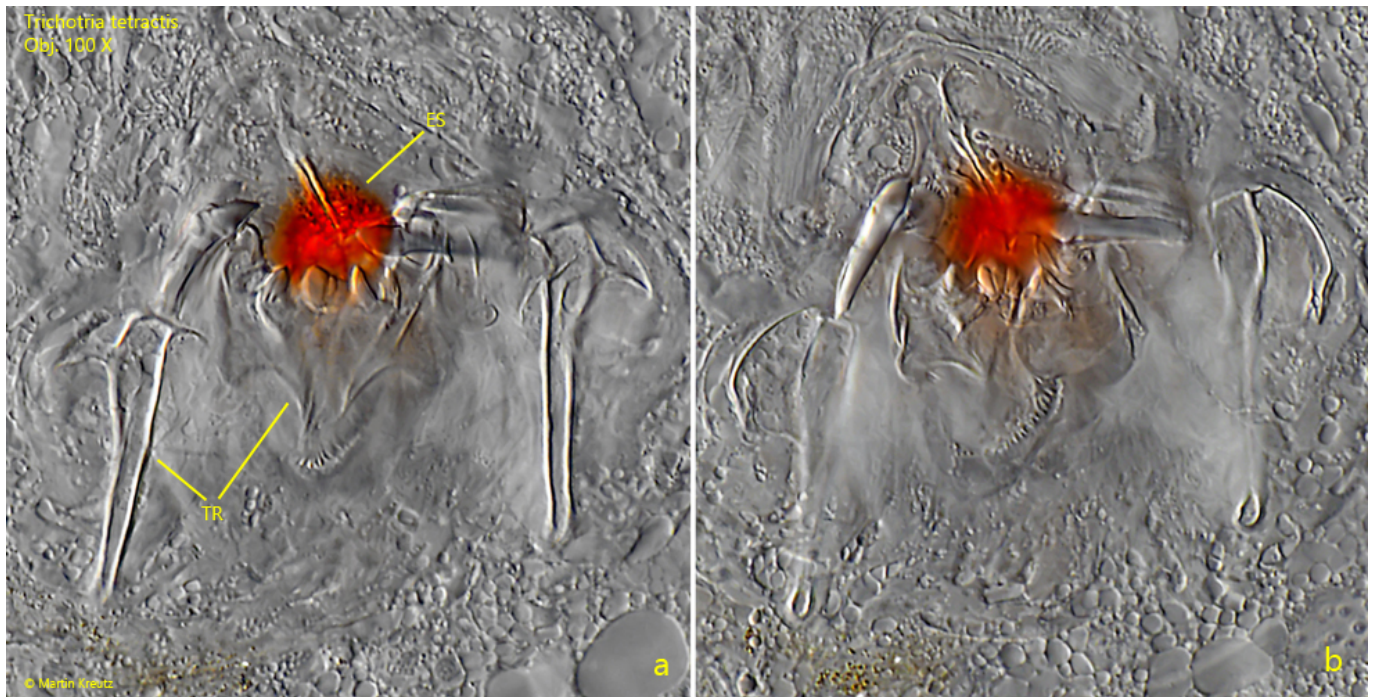
**Fig. 3:** *Trichotria tetractis*. L = 303  $\mu$ m (with toes). Dorsal view of a slightly squashed specimen. Obj. 40 X.

Trichotria tetractis  
Obj. 60 X



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**Fig. 4:** *Trichotria tetractis*. L = 272  $\mu$ m (with toes). Lateral view from right of the transparent lorica with ornamentation. Obj. 60 X.



**Fig. 5:** *Trichotria tetractis*. Two focal planes of the trophi (TR) in a strongly squashed specimen. ES = eyespot. Obj. 100 X.