

عنوان مقاله:

Report of *Tetrahymena* sp. and *Dactylogyrus* sp. infestation in glofish tetra (*Gymnocorymbus ternetzi*): Diagnosis and treatment

محل انتشار:

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خلاصه مقاله:

The cultivation and propagation of ornamental fishes have been increasing in the last few years in Iran. GloFish is a registered and trademarked brand of genetically engineered fluorescent fish. GloFish® fluorescent fish are available in a variety of tropical fish species. In an ornamental fish farm of GloFish tetra (*Gymnocorymbus ternetzi*), mortality of ۲۰ to ۳۰ per day was reported in juveniles and ۴ to ۶ per day in adult fish. Several fish were sent for sampling while they had been kept in their aquarium water. Wet smears were taken from the skin and gills. After the autopsy, the internal organs were examined for parasitic infestation under a light microscope. No internal parasites were observed. External parasites, including *Dactylogyrus* sp. in the gills and *Tetrahymena* sp. in the skin were detected. According to references, treatment with salt bath and formalin ۳٪ were performed. A reduction in mortality was observed during the treatment period. After two weeks, re-sampling was performed and the samples were negative for *Tetrahymena* sp. and *Dactylogyrus* sp. As a result, Salt baths and formalin were effective for the treatment of *Tetrahymena* sp. and *Dactylogyrus* sp. in GloFish tetra.

کلمات کلیدی:

Gymnocorymbus ternetzi, *Tetrahymena* sp., *Dactylogyrus* sp., Salt, Formalin

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