

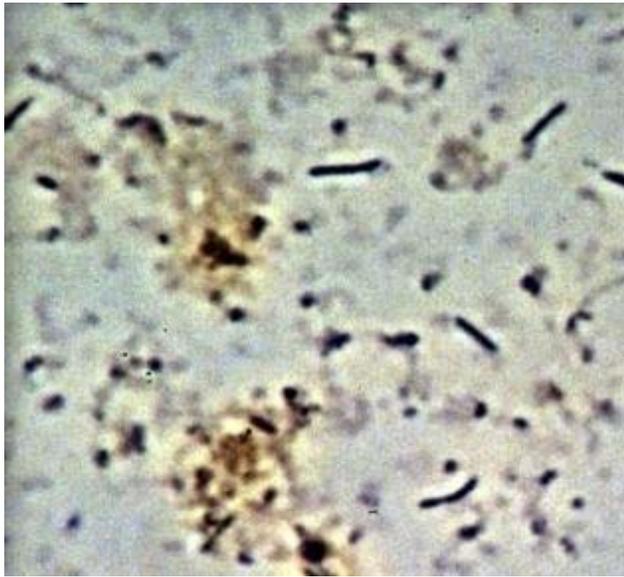
bacterium

Aeromonas hydrophila

Domain: Bacteria
Division/Phylum: Proteobacteria
Class: Gammaproteobacteria
Order: Aeromonadales
Family: Aeromonadaceae

ILLINOIS STATUS

common, native



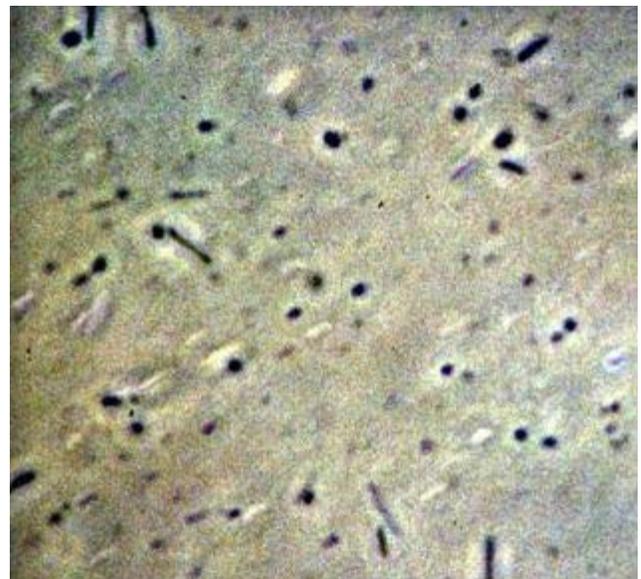
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FEATURES

Bacteria are microscopic, one-celled prokaryotes (no defined nucleus). *Aeromonas hydrophila* is a rod-shaped bacterium. The ends of its cell may be rounded, giving it a somewhat spherical appearance. It has a single flagellum that is used for movement.

BEHAVIORS

Aeromonas hydrophila is a common bacterium in all the waters of Illinois. It may be found singly, in pairs or in short chains. As a facultative anaerobe, it can grow in the presence or absence of oxygen. This rod-shaped prokaryote (no defined nucleus) moves in straight lines using a flagellum. It cannot make its own food. Optimal growing temperatures are 22 to 28 degrees Celsius.



(400x)

ILLINOIS RANGE



Aquatic Habitats

bottomland forests; lakes, ponds and reservoirs; Lake Michigan; marshes; peatlands; rivers and streams; swamps; temporary water supplies; wet prairies and fens

Woodland Habitats

bottomland forests; coniferous forests; southern Illinois lowlands; upland deciduous forests

Prairie and Edge Habitats

black soil prairie; dolomite prairie; edge; gravel prairie; hill prairie; sand prairie; shrub prairie