



Tethering the flagella of the bacteria to a surface gives a good indication of the rotation. Not only rotational frequency, but, in the presence of media of various viscosities, the torque of the flagellar motors.

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Figure 4. A propeller in the shape of a right-handed helix connected to a spherical cell, both moving to the right at velocity v. The propeller and cell rotate in opposite directions, at angular velocities Ω and w, respectively. The external force F acting on the propeller is directed to the left.

Purcell, Edward M. (1997) Proc. Natl. Acad. Sci. USA 94, 11307-11311

