

TABLE 2. Compared parameters of microbial swimming

Organisms	U ^a ($\mu\text{m s}^{-1}$) ^b	B/s ^a	Fv ^a (10^{-10} dyn) ^c	Source or reference
Procaryotes				
<i>Pseudomonas aeruginosa</i>	55	37	8	11
<i>Chromatium okenii</i>	45	5	43	11
<i>Thiospirillum jenense</i>	86	2	285	11
<i>Escherichia coli</i>	16	8	3	11
<i>Bacillus licheniformis</i>	21	7	6	11
<i>Sarcina ureae</i>	28	7	11	11
<i>Vibrio comma</i>	200	50	38	9
<i>Thiovulum majus</i>	600	40	1,696	This work
Eucaryotes				
Flagellated				
<i>Ceratium fusus</i>	235	0.56	9,961	1
<i>Euglena viridis</i>	80	1.5	382	1
<i>Monas stigmata</i>	270	45	152	1
<i>Gyrodinium dorsum</i>	328	10	1,066	1
Ciliated				
<i>Tetrahymena</i> sp.	500	7.1	6,579	10
<i>Paramecium</i> sp.	1,000	4.7	39,589	10

^a Abbreviations: U, characteristic swimming velocity; B/s, cell lengths per second; Fv, viscous drag force experienced by microorganisms.

^b Velocities in a single organism may vary with conditions. The present values are rounded, characteristic speeds for the organisms.

^c Calculated from literature data assuming all organisms to be spherical and rigid.

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