

Resource Summary Report

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BFM speed recording with back-focal-plane interferometry

DOI:10.17504/protocols.io.bch2it8e

Type: Protocol

Proper Citation

Teuta Pilizota, Ekaterina Krasnopeevea, Jerko Rosko 2021. BFM speed recording with back-focal-plane interferometry. protocols.io dx.doi.org/10.17504/protocols.io.bch2it8e

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.bch2it8e>

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Summary: The speed of bacterial flagellar motor (BFM) is measured with back-focal-plane interferometry. Heavily attenuated optical trap (855 nm laser) is used to detect the rotation of a polystyrene bead attached to a truncated flagellar filament. Time course of the bead rotation is recorded with the position-sensitive detector.

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External URL: [http://\[1\] https://www.pnas.org/content/114/38/E7969, \[2\] https://www.cell.com/biophysj/fulltext/S0006-3495\(19\)30392-3](http://[1] https://www.pnas.org/content/114/38/E7969, [2] https://www.cell.com/biophysj/fulltext/S0006-3495(19)30392-3)

Version: 1

Publication Date: 2021

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Record Creation Time: 20210329T220527+0000

Record Last Update: 20210329T220928+0000

Data and Source Information

Source: