

Antibiotic translocation through porins studied in planar lipid bilayers using parallel platforms

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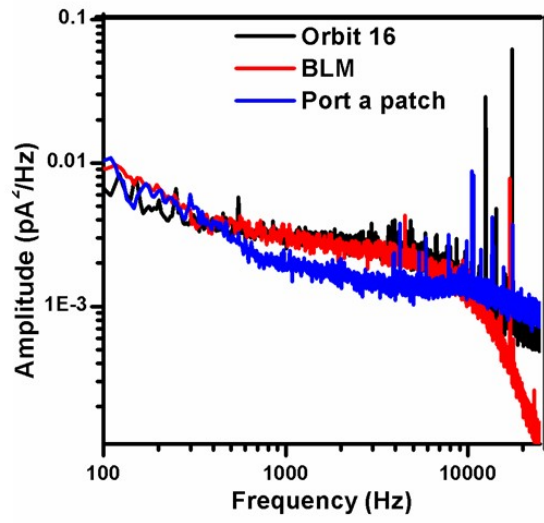
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Supporting Information

Supplementary Table 1: Kinetic properties found for the interaction of a single OmpF protein and three different antibiotics. (Analysis performed with dead time/ignore duration as 50 μ s: conditions: 1M KCl, 20mM MES pH 6, at \pm 50 mV)

Antibiotic	Method	k_{on} [$\text{M}^{-1} \text{s}^{-1}$]	k_{off} [s^{-1}]
Cefepime (<i>trans</i> side addition)	BLM	3.200 \pm 200	11.100
	Orbit 16	2.000 \pm 700	16.100
	Port-a-Patch	3.800 \pm 700	9.100
Ceftazidime (<i>cis</i> addition)	BLM	600 \pm 100	12.000
	Orbit 16	900 \pm 300	16.400
	Port-a-Patch	700 \pm 400	11.400
Imipenem (<i>cis</i> side addition)	BLM	1.100 \pm 100	14.000
	Orbit 16	1.600 \pm 200	19.000
	Port-a-Patch	2.800 \pm 600	14.000



Supplementary Figure 1: Power spectrum from both systems compared to BLM.

