Table 1. Permeabilities of reconstituted proteoliposomes

Permeability	Conditions	Liposomes	GlpF	AqpZ	GlpF + AqpZ
Glycerol					
kgly, s−1	Control at 5°C	0.019 ± 0.006	7.8 ± 0.7	0.011 ± 0.005	38 ± 1
	Control at 20°C	0.17 ± 0.02	18 ± 1	0.14 ± 0.02	54 ± 7
	HgCl₂ at 20°C*	0.11 ± 0.02	0.28 ± 0.01	0.14 ± 0.02	16 ± 1 [†]
P _{qN} , cm/s at 5°C	_	6.2 × 10 ^{−8}	2.5×10^{-5}	3.6×10^{-8}	1.2×10^{-4}
E _a , kcal/mol		27 ± 2	9.6 ± 1.5	25 ± 2	4.9 ± 1.5
Water					
k _w , s−1	Control at 5°C	2.4 ± 0.2	23 ± 3	154 ± 30	
	Control at 20°C	13.5 ± 0.2	41 ± 1	158 ± 18	
	HgCl₂ at 20°C*	2.5 ± 0.2	$4.8 \pm 0.1^{\dagger}$	98 ± 6	
	HgCl ₂ + DTT at 20°C*	ND	32 ± 5 [†]	ND	
Pt, cm/s at 5°C	-	5.1 × 10 ⁻⁴	4.9×10^{-3}	3.3×10^{-2}	
E _a , kcal/mol		16	7	3	

^{*}Proteoliposomes were preincubated with 100 μ M HgCl₂ for 30 min at 37°C. Reversal of HgCl₂ inhibition was achieved by incubation with 1 mM DTT at 37°C for 30 min. ND, not determined.

†This value corresponds to 30 μ M HgCl₂.