TABLE 3. Kinetic constants of the *H. neapolitanus* carboxysomal carbonic anhydrase CsoSCA

Fraction	Kinetic constant value for:			
	Hydration reaction[a]		Dehydration reaction[b]	
	k_{cat} (s^{-1})	K_m (mM)	k_{cat} (s^{-1})	K_m (mM)
rCsoSCA	$(8.9 \pm 0.5) \times 10^4$	3.2 (± 0.4)	$(4.6 \pm 1.2) \times 10^4$	9.3 (± 2.1)
Broken carboxysomes	$(6.5 \pm 0.9) \times 10^4$	3.6 (± 0.7)	$(3.1 \pm 0.8) \times 10^4$	10.1 (± 3.2)
Intact carboxysomes	$(1.8 \pm 0.2) \times 10^4$	12.2 (± 2.3)	ND	ND

[a] The hydration reaction was performed at pH 8.0.
[b] The dehydration reaction was performed at pH 7.0. ND, not determined.