

Erratum to: Development and characterization of DehaloR², a novel anaerobic microbial consortium performing rapid dechlorination of TCE to ethene

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Table 2 of the original publication contained errors. The corrected values (highlighted in bold type face in the updated Table below) show that the newly reported DehaloR² consortium and the cells of *Dehalococcoides* contained therein, displayed transformation activities comparable to those of the “Unnamed” culture in Table 2, whereas transformation activities tabulated for the SDC-9 consortium were ~3-4 times higher than those of DehaloR². Correction of the values does not change any of the interpretations provided in the study.

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Table 2 Comparison of maximum chlorinated ethene turnover rates $(\Delta C \Delta t^{-1})_{\max}$ to ethene and the corresponding concentration of *Dehalococcoides* (X_{Dhc}), for select chlorinated ethene mixed microbial communities in batch serum bottles

Culture	$(\Delta C \Delta t^{-1})_{\max}$ [mM Cl ⁻ d ⁻¹]	X_{Dhc} [cells L ⁻¹]	$(\Delta C \Delta t^{-1})_{\max} X_{\text{Dhc}}^{-1}$ [mmol Cl ⁻ cell ⁻¹ d ⁻¹]
DehaloR ²	0.92 ± 0.1 (TCE to 90 % ethene) 0.75 ± 0.1 (TCE to 100 % ethene)	1.54 ± 0.27 × 10 ¹¹ 1.54 ± 0.27 × 10 ¹¹	6.0 ± 0.5 × 10⁻¹² 4.9 ± 0.4 × 10⁻¹²
SDC-9 ^a	2.9 (PCE)	1.4 × 10 ¹¹	2.1 × 10 ⁻¹¹
Unnamed ^b	0.96 (PCE)	–	–
VS ^c	0.31 (VC)	4.0 × 10 ¹¹	7.8 × 10 ⁻¹³
KBI ^d	0.16 (TCE)	8 × 10 ¹⁰	–
ANAS	0.006 ^e (TCE), 0.05 ^f (TCE)	1.0 ± 0.29 × 10 ^{10e}	6 × 10 ⁻¹³
BDI ^g	0.03 (TCE)	1 × 10 ¹¹	–

The turnover rate per *Dehalococcoides* cell was only calculated when values for $(\Delta C \Delta t^{-1})_{\max}$ and X_{Dhc} were available from the same source and where data were from the stationary phase

^a Vainberg et al. (2009), $(\Delta C \Delta t^{-1})_{\max}$ was calculated from Fig. 4 and X_{Dhc} from Table 1

^b Xiu et al. (2010)

^c Cupples et al. (2004)

^d Haest et al. (2010), $(\Delta C \Delta t^{-1})_{\max}$ and X_{Dhc} were calculated from Fig. 2, and X_{Dhc} was the final concentration of cells

^e Freeborn et al. (2005), $(\Delta C \Delta t^{-1})_{\max}$ was from Fig. 1 and X_{Dhc} from Table 3

^f Richardson et al. (2002), calculated assuming 200 μmoles TCE/bottle were reduced in 10 days

^g Amos et al. (2008), $(\Delta C \Delta t^{-1})_{\max}$ was calculated from Fig. 2 and X_{Dhc} was the final concentration of cells in Fig. 1