Supplementary information



Figure S1. Three cube tanks for studying bacterial growth on the sorption mother liquor.

https://doi.org/10.3390/min15070727

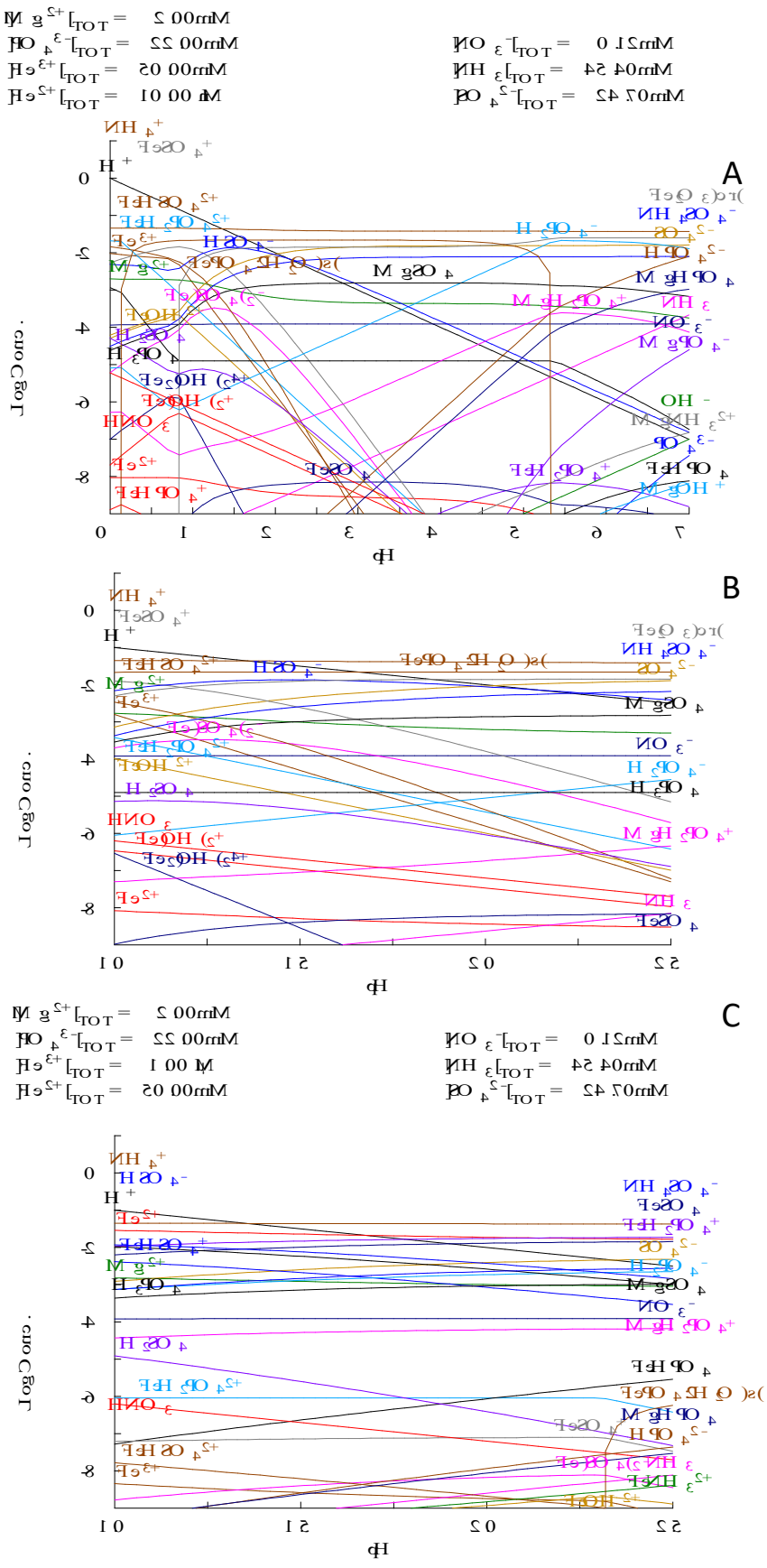


Figure S2. Speciation of iron ions in model solution: $[Mg^{2+}]_{tot}$ = 2.00 mM; $[PO_4^{3-}]_{tot}$ = 22.00 mM; $[Fe^{3+}]_{tot}$ = 50.00 mM. $[Fe^{2+}]_{tot}$ = 10.00 nM; $[NO_3^-]_{tot}$ = 0.12 mM ; $[NH_3]_{tot}$ = 45.40 mM $[SO_4^{2-}]_{tot}$ = 24.70 mM in a pH range of 1-2.5.