

Supplementary materials:

Table S1. Simulated fluids composition

Salt solution	Stock concentration (mol/L)	SSF (pH 7)		SGF (pH 3)		SIF (pH 7)	
		mL of Stock added to prepare 0.4 L (mL)	Final salt concentration in sample (mmol/L)	mL of Stock added to prepare 0.4 L (mL)	Final salt conc. in sample (mmol/L)	mL of Stock added to prepare 0.4 L (mL)	Final salt conc. in sample (mmol/L)
KCl	0.5	15.1	15.1	6.9	6.9	6.8	6.8
KH ₂ PO ₄	0.5	3.7	1.35	0.9	0.9	0.8	0.8
NaHCO ₃	1	6.8	13.68	12.5	25	42.5	85
NaCl	2	-	-	11.8	47.2	9.6	38.4
MgCl ₂ (H ₂ O) ₆	0.15	0.5	0.15	0.4	0.12	1.1	0.33
NH ₄ (CO ₃) ₂	0.5	0.06	0.06	0.5	0.5	-	-
CaCl ₂ (H ₂ O) ₂	0.3	-	1.5	-	0.15	-	0.6