

## Supplementary materials:

**Table S1.** Stock solutions 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 <sub>2</sub> PO <sub>4</sub>	0.5	3.7	1.35	0.9	0.9	0.8	0.8
NaHCO <sub>3</sub>	1	6.8	13.68	12.5	25	42.5	85
NaCl	2	-	-	11.8	47.2	9.6	38.4
MgCl <sub>2</sub> (H <sub>2</sub> O) <sub>6</sub>	0.15	0.5	0.15	0.4	0.12	1.1	0.33
NH <sub>4</sub> (CO <sub>3</sub> ) <sub>2</sub>	0.5	0.06	0.06	0.5	0.5	-	-
CaCl <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub>	0.3	-	1.5	-	0.15	-	0.6

**Table S2.** TPC and antioxidant capacity evaluated by FRAP, DPPH and ABTS of the Blank control.

Samples	FRAP		DPPH		ABTS		TPC	
	mmol TE/100g	±SD	mmol TE/100g	±SD	mmol TE/100g	±SD	mg GAE/g	±SD
Blank control	1.07	0.01	0.39	0.01	1.02	0.01	0.07	0.00