

**Supplementary Table 1. Salt composition of digestion fluids, mmol L<sup>-1</sup>**

<i>Salt</i>	<i>Salivary fluid (pH 7)</i>	<i>Gastric fluid (pH 3)</i>	<i>Intestinal fluid (pH 7)</i>
KCl	15.1	6.9	6.8
KH <sub>2</sub> PO <sub>4</sub>	3.7	0.9	0.8
NaHCO <sub>3</sub>	13.7	25.0	85.0
NaCl	-	47.2	38.4
MgCl <sub>2</sub> (H <sub>2</sub> O) <sub>6</sub>	0.15	0.12	0.33
NH <sub>4</sub> (CO <sub>3</sub> ) <sub>2</sub>	0.06	0.5	-
CaCl <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub>	1.5	0.15	0.6
HCl	1.1	15.6	8.4