**Table S1.** Preparation of simulated solutions: simulated saliva fluid (SSF), simulated gastric fluid (SGF) and simulated intestinal fluid (SIF)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Simulated digestion fluid \*** | **Volume of the solution (mL)** | | | | | |
| **KCl**  **(37,3 g L-1)** | **KH2PO4**  **(68 g L-1)** | **NaHCO3**  **(84 g L-1)** | **NaCl**  **(117 g L-1)** | **MgCl2(H2O)6**  **(30,5 g L-1)** | **(NH4)2CO3**  **(48 g L-1)** |
| **SSF** | 15,1 | 3,7 | 6,8 | - | 0,5 | 0,06 |
| **SGF** | 6,9 | 0,9 | 12,5 | 11,8 | 0,4 | 0,5 |
| **SIF** | 6,8 | 0,8 | 42,5 | 9,6 | 1,1 | - |

\* The final volume of each digestive fluid is 500 mL, concentration 1.25 x