Supplemental Figure 1. Effects of different colloid containing solutions on epithelial cell damage and apoptosis

Activity of Caspase-3/7 in intestinal tissue (A), CaCo-2 cells (B) and levels of LDH in CaCo-2 cells (C). An increase in apoptosis is detectable between tissue derived before (t0) and at the end of perfusion (t135), but not between the different perfusion groups (A). Apoptosis (B) and cell damage (C) is induced after incubation of CaCo-2 cells with EGTA (+ Control, 0.6 M, 104h). No changes in apoptosis or cell damage are evident in the different treatment groups. Bars denote the mean ± SD. A: Albumin (N=6), HES (N=6), HES/Alb (N=6). B and C: + Control (N=3), Albumin (N=3), HES (N=3), HES/Alb (N=3). **, p<0.01; ***, p<0.001.