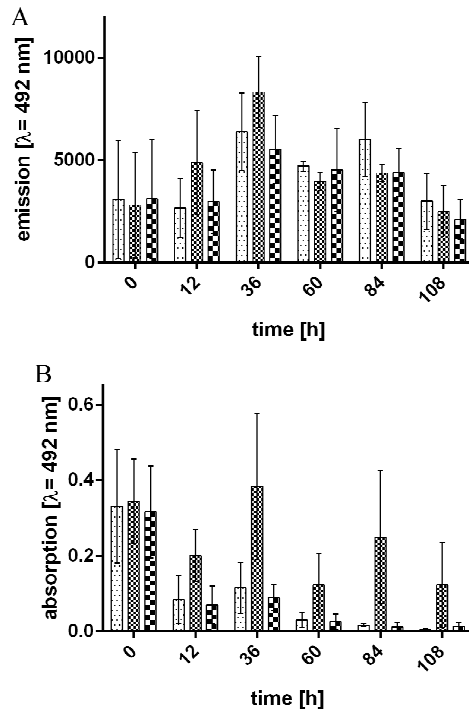


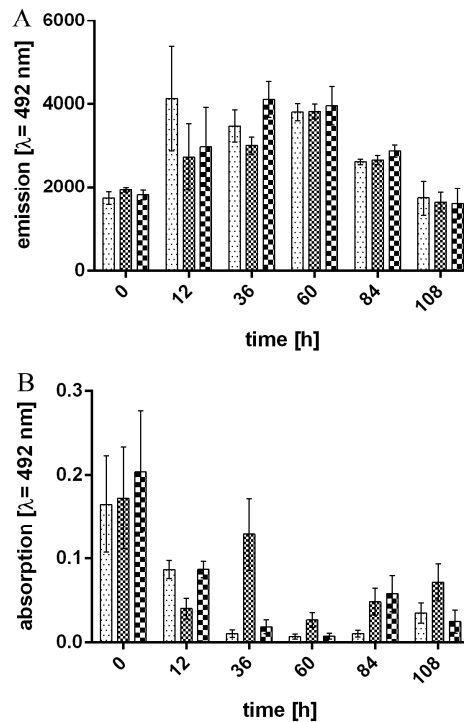
## Supplements

10% autologous serum 
  10% FCS 
  without serum



**Supp.-Fig. 1 Testing of different cell culture supplements for KC culture.** KC were cultured for up to 108 h using RPMI medium supplemented with 10% autologous serum, 10% FCS or without serum. The intracellular ROI formation (A) was investigated by the DCF-assay and the mitochondrial activity (B) by the XTT-assay. Data show means  $\pm$  SEM. N=3; n=3

control 
  10 mM ascorbic acid 
  10 mM n-acetyl cysteine



**Supp.-Fig. 2 Testing of antioxidant supplementation to reduce initial KC activation.** KC were cultured for up to 108 h using RPMI medium supplemented with or without 10 mM n-acetylcysteine or 10 mM ascorbic acid. The intracellular ROI formation (A) was investigated by the DCF-assay and the mitochondrial activity (B) by the XTT-assay. Data show means  $\pm$  SEM. N=3; n=3