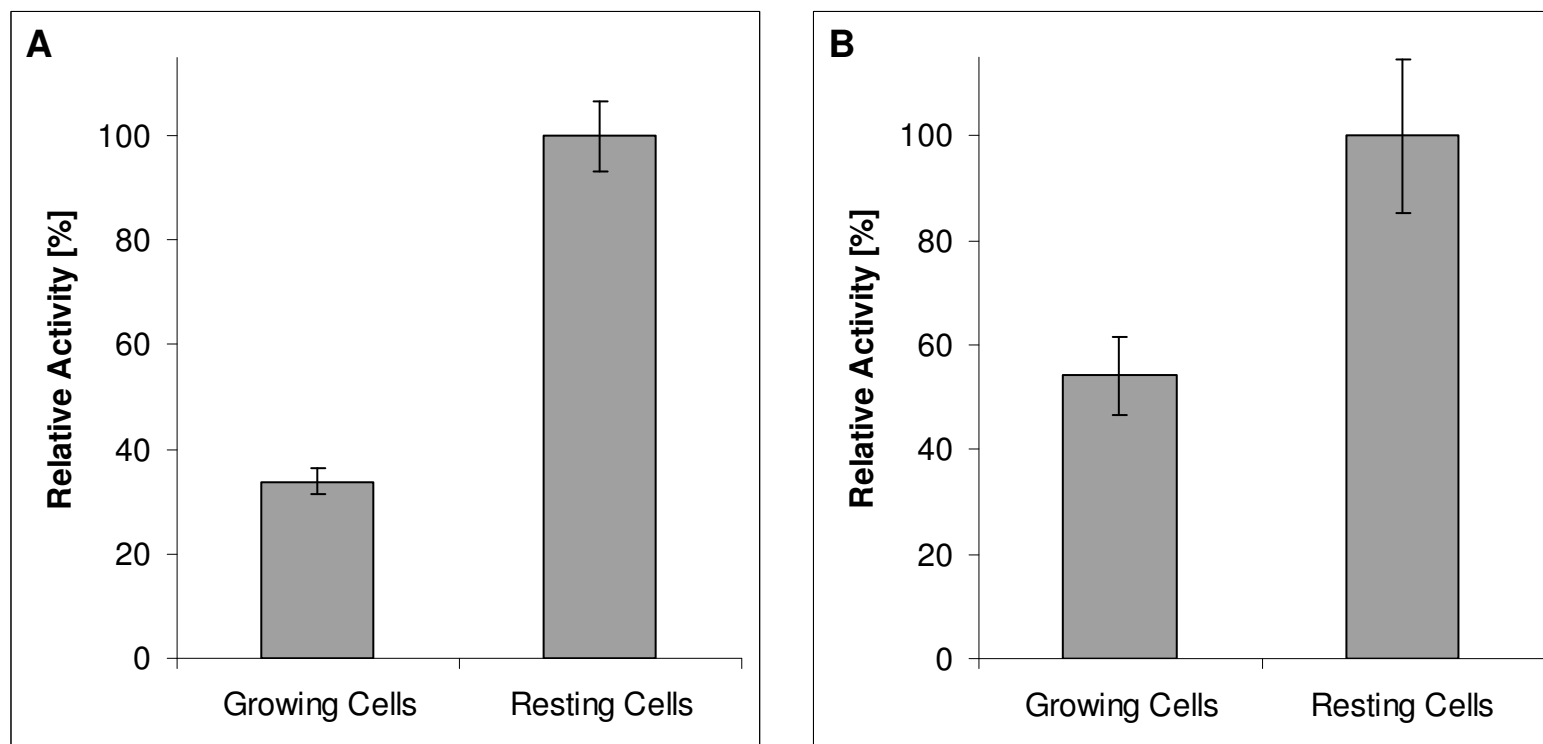


Influence of growth phase on whole-cell conversion rates.



Whole-cell conversions in aqueous systems by growing and resting cells of *Y. lipolytica* YL21 harboring CYP2D6 and hCPR (A) and YL22 harboring CYP3A4 and hCPR (B), after 26 h of ethanol induction was quantified in triplicate. Incubation time 15-60 min for bufuralol (A) or 30-120 min for progesterone (B) and cell concentrations of 10g/l were used. Activity was determined as product formation rate measuring either hydroxybufuralol or hydroxyprogesterone concentrations.