

Table I. Characteristic data for the different cultivations^a

Fermentation	$Y_{X/\text{glc}}$ ($\text{g} \cdot \text{g}^{-1}$)	Base addition rate ($\text{g NH}_3/\text{g}$ $\text{cells} \cdot \text{h}$)	Final acetate concentration in the STR ($\text{g} \cdot \text{L}^{-1}$)
Case A: Control	0.50	0.267	0.006
Case B: Feeding in the PFR, air addition	0.38	0.283	0.067
Case B: Feeding in the PFR, addition of oxygen-enriched air	0.50	0.285	0.006
Case C: Glucose starvation in the PFR	0.44	0.240	0.003

^aThe yield ($Y_{X/\text{glc}}$) of each cultivation was estimated in the time interval 1 to 8 h after the start of the feeding on the basis of the dry cell weights. The rate of base addition is the mean value of calculations for intervals of 2 h after the acetate was consumed.