

SYMBOLS AND NOTATIONS

SYMBOLS	DEFINITION
μ	Specific growth rate
μ_{\max}	Maximum specific growth rate
K_s	Saturation constant
D	Dilution rate
S_0	Initial substrate concentration
S_{01}	Initial carbohydrate concentration
S	Metabolised substrate concentration
$(S_0 - S)$	Residual substrate concentration
X	Biomass (cell) concentration
X_1	Pure cell (Yeast only) concentration
DX	Biomass productivity
DX_1	Pure yeast productivity
DM	Dilution rate at which maximum biomass productivity is obtained.
DC	Critical dilution rate
Y	Yield coefficient as X_1/S_{01}
Y_1	Yield coefficient as X/S_0
Y_s	Yield coefficient as X/S
dp/dt	Differential alkali addition
P	Cumulative alkali addition
$\sum vol$	Total volume