

Table 4. Comparison of biocatalysts for pyruvate production

Strain	Relevant genotype/phenotype	Carbon source	Nitrogen source	Fermentation time, h	[Pyruvate], g/liter	Volumetric production, g·liter ⁻¹ ·h ⁻¹	Pyruvate yield, g/g	Ref.
<i>Candida lipolytica</i> AJ 14353	B ₁ ⁻ Met ⁻	Glucose	NH ₄ NO ₃	72	44	0.61	0.44	16
<i>Debaryomyces hansenii</i> Y-256	B ₁ ⁻ Bio ⁻	Glucose	Peptone	96	42	0.44	0.42	16
<i>T. glabrata</i> ACII-3	B ₁ ⁻ Bio ⁻ B ₆ ⁻ NA ⁻ acetate leaky	Glucose	Soy hydrolysate (NH ₄) ₂ SO ₄	47	60	1.28	0.68	16
<i>T. glabrata</i> WSH-IP 303	B ₁ ⁻ Bio ⁻ B ₆ ⁻ NA ⁻	Glucose	NH ₄ Cl	56	69	1.23	0.62	16
<i>E. coli</i> TBLA-1	<i>lipA2 bgl⁺ atpA401</i>	Glucose	Polypeptone	24	30	1.25	0.60	22
<i>E. coli</i> CGSC7916	<i>aceF fadR adhE ppc</i>	Glucose	Tryptone	36	35	0.97	0.65	23
<i>E. coli</i> TC44	<i>pflB frdBC ldhA atpFH adhE sucA ackA poxB</i>	Glucose	acetate (NH ₄) ₂ HPO ₄	43	52	1.21	0.76	This study