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Dependency of Size of *Saccharomyces cerevisiae* Cells on Growth Rate

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TABLE 1. *Population doubling time, percent budded cells, and mean cell volume for different batch culture media*

Medium	Doubling time (τ) (min)	Mean vol \bar{V} (μm^3)	% budded cells
YEP + fructose	71.0	42.4	73.4
	73.4	42.1	77.4
	73.6	41.3	74.0
	76.5	35.3	71.9
	77.2	40.8	74.4
	78.0	40.7	70.6
	91.2	28.6	74.4
YEP + glucose	75.0	35.7	80.6
	75.6	38.8	81.4
	76.8	34.3	NM ^a
	76.9	40.6	88.6
	80.8	39.4	82.0
	83.6	31.1	72.7
	84.2	36.6	75.5
YEP + sucrose	76.8	27.8	73.0
	77.9	41.1	81.6
	79.4	42.5	78.9
	84.0	26.0	71.0
YEP + mannose	81.6	28.2	72.4
YEP + maltose	105.0	22.8	65.5
	109.5	20.8	57.8
	115.0	21.8	60.6
	165.0	19.4	40.3
YEP + raffinose	109.2	18.0	67.3
YEP + sorbitol	139.5	15.9	64.5
YEP + gluconate	143.4	25.8	74.4
YEP + galactose	148.5	21.1	53.4
	153.8	21.3	62.3
	166.5	22.2	NM
YEP + glycerol	159.0	22.8	54.2
	161.4	21.9	57.4
	165.0	27.6	57.4
YEP + mannitol	193.2	20.0	68.6
YEP + trehalose	194.2	17.8	68.8
MM1 + glucose	117.6	25.5	62.7
MM1 + maltose	120.0	16.6	62.8
	120.6	18.9	69.3
MM1 + fructose	123.0	16.4	69.0
	126.8	29.2	64.7
MM1 + glycerol	245.0	NM	36.7
	276.0	17.0	NM
	308.0	16.3	NM
	345.0	17.4	NM
MM2 + fructose	90.6	34.0	75.2
MM2 + glucose	98.2	25.9	69.7
MM3 + acetate	180.0	18.1	64.2
	204.0	25.0	64.8
MM3 + citric acid	435.0	16.9	50.8
MM4 + acetate	381.0	19.5	46.0
EMM + galactose	268.0	23.5	NM
	276.0	22.2	51.5
EMM + acetate + phthalate	432.0	19.2	41.0
	477.0	18.3	47.8

^a NM, Not measured.