

TABLE 1. Effects of *n*-alcohols on the fatty acid composition of *E. coli*^a

Alcohol	Concn (% vol/vol)	Fatty acid						
		12:0	14:0	16:0	16:1	Δ17	18:0	18:1
Methanol	0	0.8	1.0	26.0	37.2	0.7		34.3
Methanol	1	0.6	1.0	24.2	37.4	0.9		35.9
Methanol	2	0.9	1.3	22.6	37.3	0.6		37.3
Methanol	4	0.9	1.0	17.2	34.8	1.3		44.8
Methanol	6	0.9	0.9	11.2	31.1	2.3		53.6
Ethanol	0	0.9	1.9	24.0	36.6	0.6		36.0
Ethanol	1	0.6	1.3	20.4	36.7	0.6		40.4
Ethanol	2	0.8	1.2	17.7	36.4	1.0		42.9
Ethanol	3	0.9	0.9	15.1	34.5	1.4		47.2
Ethanol	4	0.7	0.9	11.5	33.9	2.1		50.9
Propanol	0	1.3	1.7	27.3	34.0	1.0		34.7
Propanol	0.2	0.6	1.4	26.0	34.5	0.5		37.0
Propanol	0.4	1.0	0.4	25.5	34.0	0.8		38.3
Propanol	0.6	1.2	tr	23.1	33.7	1.3		40.7
Propanol	1.0	1.0	tr	21.5	33.0	1.5		43.0
Propanol	1.5	1.5	0.3	19.0	32.5	1.7		45.0
Butanol	0	1.4	2.6	25.3	35.8	1.1		33.9
Butanol	0.2	2.2	2.2	25.0	35.1	1.0		34.5
Butanol	0.4	1.1	1.6	24.0	34.2	1.5		37.6
Butanol	0.6	1.6	1.4	22.7	32.7	1.8		39.8
Butanol	0.8	1.6	1.9	22.0	31.6	2.0		40.9
Butanol	1.0	1.0	1.7	21.6	29.2	2.3		44.2
Pentanol	0	1.2	1.0	26.7	34.3	1.1		35.7
Pentanol	0.025	0.8	1.3	27.0	34.6	1.4		34.9
Pentanol	0.050	1.1	1.6	28.2	35.1	1.0		33.0
Pentanol	0.100	1.8	2.6	30.6	31.8	2.0	1.5	29.7
Pentanol	0.150	1.4	2.0	32.2	30.8	3.0	2.1	28.5
Pentanol	0.200	2.1	3.2	33.0	25.4	3.8	7.4	25.1
Hexanol	0	2.0	2.4	27.5	34.8			33.3
Hexanol	0.013	2.5	3.3	28.8	34.0			31.4
Hexanol	0.025	2.1	3.4	31.9	33.5			29.1
Hexanol	0.038	2.0	3.9	33.0	33.0			28.1
Hexanol	0.050	2.1	3.0	35.0	32.5			27.4
Hexanol	0.100	3.1	3.0	36.7	30.4			26.8
Heptanol	0	1.5	1.9	26.1	35.8	0.6		34.1
Heptanol	0.013	1.3	1.6	30.3	33.4	0.6		32.8
Heptanol	0.025	1.6	2.2	32.3	33.0	0.6	1.1	29.2
Heptanol	0.038	1.7	2.1	33.3	30.8	1.0	1.2	29.9
Octanol	0	3.5	3.1	24.3	34.0	0.5		34.6
Octanol	0.0025	3.0	3.0	24.5	35.4			34.1
Octanol	0.0050	3.0	3.1	25.0	35.8			33.1
Octanol	0.0100	3.0	3.1	26.7	34.7			32.5
Octanol	0.0250	3.0	3.1	30.3	33.5			30.1
Nonanol	0	2.1		26.6	35.0	1.0		35.3
Nonanol	0.0025	2.7		28.0	37.1	0.5		31.7
Nonanol	0.0050	2.5		28.4	37.3	1.3		30.5
Nonanol	0.0100	2.9		33.6	35.4	0.8		27.3
Nonanol	0.0150	2.9		35.7	34.5	1.5	0.9	24.5
Decanol	0	2.0	2.4	26.6	35.2	0.6		33.2
Decanol	0.0050	— ^b	4.0	25.6	34.7	1.3		34.4
Decanol	0.0100	—	2.8	25.5	34.5	1.0		36.2
Decanol	0.0150	—	2.7	24.0	34.4	1.1		37.8

^a Expressed as percentage of total fatty acids.^b Decanol interferes with 12:0 determination.