

Table XII. Fermentation of L-arabinose with a *Propionibacterium* species; data are from ref. 10.

Substance	Amount (mol/100 mol arabinose fermented)				
	Experimental 1	2 ^b	Calculated 3 ^c	4 ^c	5 ^c
Propionate	98.3	81.8	91.1	90.6	91.1
Acetate	33.8	48.3	32.0	33.8 ^a	33.8 ^a
Carbon dioxide	38.2	33.5	38.2 ^a	38.2 ^a	38.2 ^a
Succinate	14.8	14.8 ^a	14.8 ^a	14.3	14.8 ^a
Lactate	21.6	21.6 ^a	21.6 ^a	21.6 ^a	20.4
Glycerol	0.0	0.0 ^a	0.0 ^a	0.0 ^a	0.0 ^a
Carbon recovery	105	99.9 ^a	99.9 ^a	99.9 ^a	99.9 ^a
NADH ₂ from FMNH ₂	—	-29.0	-74.0	-71.1	-72.1
Excess ATP	—	186.1	291.9	294.0	294.7
Apparent Y_{ATP}	—	0.04	0.04	0.04	0.04
CO ₂ from HMPP	—	—	21.0	18.7	19.2
Gamma ratio	1.060	—	—	—	—

^aRefers to data used in the calculations.

^bThis is with no CO₂ produced from HMPP.

^cThis is with CO₂ produced from HMPP.