

**Supplemental Table 1.** Primary growth model parameters for microfiltered milk samples stored at 6.5°C or 10°C used to estimate time 20,000 and 1,000,000 cfu/mL<sup>1</sup>

	6.5°C				10°C			
	Skim		Whole		Skim		Whole	
	0.8	1.2	0.8	1.2	0.8	1.2	0.8	1.2
Selected Growth Model	Baranyi	NC <sup>2</sup>	Gompertz	NC <sup>2</sup>	Gompertz	Gompertz	Baranyi, Gompertz <sup>3</sup>	Gompertz
Observed N <sub>0</sub> (log <sub>10</sub> cfu/mL)	1.67	0.51	1.59	0.96	1.67	0.51	1.59	0.96
Estimated N <sub>0</sub> (log <sub>10</sub> cfu/mL)	1.76	NC <sup>2</sup>	1.90	NC <sup>2</sup>	1.66	0.36	1.59, 1.59	0.87
Observed Lag (hours)	756	252	924	252	252	252	84	84
Estimated Lag (hours)	722	NC <sup>2</sup>	988	NC <sup>2</sup>	144	121	94, 146	0
Observed μ <sub>max</sub> [(cfu/mL)/hour]	0.012	0.0054	0.017	0.011	0.025	0.018	0.02	0.016
Estimated μ <sub>max</sub> [(cfu/mL)/hour]	0.18	NC <sup>2</sup>	0.14	NC <sup>2</sup>	0.037	0.013	0.046, 0.17	0.014
Observed N <sub>max</sub> (cfu/mL)	5.58	2.91	6.02	4.16	8.05	6.37*	7.15	7.62
Estimated N <sub>max</sub> (cfu/mL)	5.15	NC <sup>2</sup>	5.78	NC <sup>2</sup>	7.14	6.01	6.33, 6.33	6.32

<sup>1</sup>Fitting data to growth models was not performed for samples stored at 3°C, as on average, data did not surpass 20,000 cfu/mL through 63 days of storage.

<sup>2</sup>Not computed. Similarly, to samples stored at 3°C, on average, both skim and whole milk microfiltered with a 1.2-micron membrane and stored at 6.5°C did not surpass 20,000 cfu/mL through 63 days of storage.

<sup>3</sup>Models had equal BICs for a given combination of storage temperature, milk type, and pore size. Thus, estimated model parameters, for both models are reported.

\*the observed trial mean N<sub>max</sub> of 6.37 log<sub>10</sub> cfu/mL was used instead of the value 5.50 log<sub>10</sub> cfu/mL obtained from fitting the data to the modified Gompertz model because using 5.50 log<sub>10</sub> cfu/mL did not allow us to predict time to 1,000,000 cfu/mL