

Table 1: Parameters of poliovirus replication

Symbol	Meaning	Approximate value (range)	Source
$\tau_L$	Time of a single polyprotein translation	6.25 min (4.5–8 min)	Stahelin et al. 1964; Fan and Penman 1970; Palmiter 1975
$\tau_x$	Time of a single RNA transcription	1.2 min (.75–1.67 min)	Baltimore 1969; Arnold and Cameron 2000
$n_L$	Maximum number of ribosomes per template	30 (20–40)	Summers et al. 1967; Baltimore 1969
$n_x$	Maximum number of polymerases on a template	6.5 (3–10)	Baltimore 1969; Richards et al. 1984
$r_L$	Number of polyproteins translated by each positive-strand RNA	$\approx 35$ –40	Summers et al. 1967; Baltimore 1969
$r_-$	Number of negative-strand RNAs transcribed from a positive-strand RNA	$\approx 1$	Semler and Wimmer 2002
$r_+$	Number of positive-strand RNAs transcribed from a negative-strand RNA	$\approx 50$	Andino et al. 1990; Novak and Kirkegaard 1991, 1994; Bolten et al. 1998