

**Table 1.** Maximal phage amplification rate and final ssDNA concentration in fed-batch processes with varying infection times.

CDW [g L <sup>-1</sup> ]	MOI [pfu cfu <sup>-1</sup> ]	Infected cells at time of infection [%]	Max. phage amplification rate [h <sup>-1</sup> ]	c (ssDNA) [g L <sup>-1</sup> ]	Normalized ssDNA concentration
15.1 ± 0.3	3.5 ± 1.2 · 10 <sup>-3</sup>	0.3 ± 0.1	1.7 ± 0.1	0.24 ± 0.02	0.65
26.4 ± 0.5	2.9 ± 0.9 · 10 <sup>-3</sup>	0.3 ± 0.1	1.5 ± 0.05	0.37 ± 0.03	1.00
40.7 ± 0.2	1.1 ± 0.6 · 10 <sup>-3</sup>	0.1 ± 0.06	1.6 ± 0.09	0.28 ± 0.01	0.76

The proportion of cells infected at time of infection was calculated following a poisson distribution.