

Appendix

Table S1 Calculated mean, standard deviation and standard error for all experimental conditions. The NCPS were calculated using formula (1).

	Flasks (2 replicates)			100 mL bottles (2 replicates)			250 mL bottles (2 replicates)		
	Mean NCPS	Std. dev	Std. Error	Mean NCPS	Std. dev	Std. Error	Mean NCPS	Std. dev	Std. Error
CnVS	131.19	4.62	3.27	8.56E+05	7.52E+04	5.32E+04	1.50E+06	6.06E+04	4.29E+04
F300Y	87.63	4.51	3.19	5.78E+05	3.22E+04	2.28E+04	3.09E+05	6.70E+04	4.74E+04
L444F	3.73	3.73	2.64	2.08E+04	1.20E+03	8.50E+02	4.36E+04	1.80E+03	1.27E+03
L566S	287.66	6.17	4.36	2.18E+06	1.61E+05	1.14E+05	2.69E+06	1.50E+05	1.06E+05
	Flasks (2 replicates)			24 dw (6 replicates)			96 dw (5 replicates)		
	Mean NCPS	Std. dev	Std. Error	Mean NCPS	Std. dev	Std. Error	Mean NCPS	Std. dev	Std. Error
CnVS	89.97	4.70	3.32	2813.80	638.99	260.87	3872.20	544.78	243.63
F300Y	77.12	0.52	0.37	652.42	180.26	73.59	1072.47	122.73	54.88
L444F	0.00	0.00	0.00	204.18*	40.75*	20.38*	149.67	17.48	7.82
L566S	129.56	2.84	2.01	4401.57	1502.05	613.21	4812.84	1139.77	509.72

*4 replicates