



Protocol : Shake Flask – Fermentation Data Log Sheet

Number of Flasks: 4

Fermentation Volume: 50 ml

Inoculum Volume: 2 ml

Sample No.	Time & Date	OD Reading Hypoxon 4.0 (H4)	OD Reading Spy (S)	OD Reading Spy/Mu (MS)	OD Reading Control (C)	Notes
Inoculum	8th September 2.10 pm	1.52	1.61	1.47	1.46	
0 h (A) - 14:25	2.25 pm	0.088	0.110	0.094	0.096	
2 h (B) - 16:25	4.35 pm	0.740	0.625	0.709	0.827	
4 h (C) - 18:25	6.35 pm	1.60	2.05	1.53	2.05	
6 h (D) - 20:25	8.30 pm	1.99	1.96	1.85	1.75	
8 h (E) - 22:25	10.25 pm	1.53	2.45	1.89	1.15	
10 h (F) - 0:25	9th September 0.30 am	1.70	2.06	1.75	1.76	
12 h (G) - 02:45	2.30 am	1.90	2.30	1.87	2.26	Electronic pipette out of battery, opened new pack of unautoclaved tips. This is a source of infection for all H4 samples.
14 h (H) - 04:45	4.35 am	2.28	1.98	2.80	1.49	

Sample No.	Time & Date	OD Reading Hypoxon 4.0 (H4)	OD Reading Spy (S)	OD Reading Spy/Mu (MS)	OD Reading Control (C)	Notes
16 h (I) - 06:45	6.30 am	1.80	1.77	2.53	1.95	Autoclaved tips now used. Problem solved.
18 h (J) - 08:45	8.20 am	1.57	1.94	1.62	1.66	
20 h (K) - 10:45	10.25 am	1.36	1.32	1.32	1.10	
22 h (L) - 12:45	12.30 pm	1.30	1.37	1.27	1.47	
24 h (M) - 14:25	2.30 pm	1.45	1.64	1.38	1.54	