

Table ESI S1 Semi-quantitative evaluation of monosaccharide levels in yeastolates, basal media samples. (Relative peak areas w.r.t GlcN internal standard)

	Relative peak area					
	Gal	Man	Glc	Xyl	Fuc	Sialic acid
<u>Yeastolate</u>						
Sample 1	---	2.98	7.73	0.05	0.11	---
Sample 2	---	2.53	8.13	0.04	0.08	---
Sample 3	---	2.71	7.71	0.04	0.10	---
Sample 4	---	2.22	5.55	0.02	0.10	---
Sample 5	---	2.21	5.41	0.02	0.10	---
Sample 6	---	2.80	7.34	0.05	0.11	---
Sample 7	---	3.32	8.29	0.06	0.12	---
S.D.	---	0.4	1.2	0.01	0.01	---
(R.S.D.%)	---	(15.0 %)	(16.7 %)	(36.8 %)	(10.2 %)	---
<u>Basal media (Lot A)</u>						
Sample A1	---	0.01	1.28	---	---	0.13
Sample A2	---	0.02	1.33	---	---	0.03
Sample A3	---	0.01	1.11	---	---	0.04
Sample A4	---	0.01	1.07	---	---	0.07
Sample A5	---	0.02	1.21	---	---	0.03
Sample A6	---	0.01	1.17	---	---	0.03
Sample A7	---	0.02	1.38	---	---	0.30
S.D.	---	0.0015	0.116	---	---	0.10
(R.S.D.%)	---	(10.7 %)	(9.5 %)	---	---	(112.0 %)
<u>Basal media (Lot B)</u>						
Sample B1	4.8	---	10.2	---	---	0.18
Sample B2	---	0.03	3.69	---	---	0.11
Sample B3	---	0.04	2.56	---	---	0.05
Sample B4	---	0.04	2.84	---	---	0.08
Sample B5	---	0.04	3.97	---	---	0.08
Sample B6	---	0.03	1.99	---	---	0.03
Sample B7	---	0.04	3.50	---	---	0.20
S.D.	---	0.0046	2.77	---	---	0.07
(R.S.D.%)	---	(12.8 %)	(67.5 %)	---	---	(64.7 %)

Table ESI S2 Semi-quantitative evaluation of monosaccharide levels in in-process samples.
(Relative peak areas w.r.t GlcN internal standard)

	Gal	Man	Glc
In-process samples (Lot A)			
Sample A1	N.D.	0.020	153.2
Sample A2	N.D.	0.018	170.5
Sample A3	N.D.	0.031	111.4
Sample A4	N.D.	0.015	137.6
Sample A5	N.D.	0.044	151.5
Sample A6	N.D.	0.015	159.8
Sample A7	N.D.	0.034	144.8
Sample A8	250.5	N.D.	706
Sample A9	0.025	0.020	149.8
Sample A10	0.008	0.024	130.4
Sample A11	154.8	N.D.	457
Sample A12	1.96	0.058	131.5
Sample A13	262	N.D.	751
Sample A14	17.1	0.41	17.6
Sample A15	16.9	0.43	15.1
Sample A16	287.3	N.D.	812.8
In-process samples (Lot B)			
Sample B1	N.D.	0.016	148.3
Sample B2	N.D.	0.014	117.6
Sample B3	N.D.	0.043	89.7
Sample B4	N.D.	0.017	104.6
Sample B5	N.D.	0.044	76.9
Sample B6	N.D.	0.015	132.5
Sample B7	N.D.	0.039	81.8
Sample B8	286	N.D.	817.3
Sample B9	N.D.	0.014	133.3
Sample B10	N.D.	0.031	103.3
Sample B11	237.6	N.D.	677
Sample B12	2.25	0.091	14.1
Sample B13	190.8	N.D.	544.8
Sample B14	6.92	0.081	9.2
Sample B15	7.78	0.094	5.8
Sample B16	193.5	N.D.	555

N.D.: not detected