

eJB286_wild_iso_env_size_plates_022322

WEDNESDAY, 2/23/2022

Goal: measure the size of wild isolates in different environments, using 96 well plates. I tried to do it in tubes, but it is not possible. I will shake on the big shaker, with a 45° angle.

Notes:

- I will use volumes of 300 ul.
- I will first grow in YPD 2% glucose for 24h, then dilute 1:100 in the desired media grow 48, dilute again 1:100 and grow for 24 or 48h before measurement.
- Add EDTA before measurement for concentration of 0.1M

Prepare the media:

Media				
	Name	YEP (mL)	Carbon Source 20% (mL)	Water
1	YEP-Dextrose-2	450	50	0
2	YEP-Dextrose-0.2	450	5	45
3	YEP-Dextrose-0.02	450	0.5	49.5
4	YEP-Glycerol-2	450	50	0
5	YEP-Glycerol-0.2	450	5	45
6	YEP-Glycerol-0.02	450	0.5	49.5
7	YEP-Ethanol-2	450	50	0
8	YEP-Ethanol-0.2	450	5	45
9	YEP-Ethanol-0.02	450	0.5	49.5
10	YEP-Galactose-2	450	50	0
11	YEP-Galactose-0.2	450	5	45
12	YEP-Galactose-0.02	450	0.5	49.5
13	YEP-Sucrose-2	450	50	0
14	YEP-Sucrose-0.2	450	5	45
15	YEP-Sucrose-0.02	450	0.5	49.5

Plate set up:

Plate Setup												
	1	2	3	4	5	6	7	8	9	10	11	12
A												
B	SGRP 1	SGRP 2	SGRP 3	SGRP 4	SGRP 5	SGRP 6	SGRP 7	SGRP 8	SGRP 9	SGRP 10	SGRP 11	SGRP 12
C	SGRP 13	SGRP 14	SGRP 15	SGRP 16	SGRP 17	SGRP 18	SGRP 19	SGRP 20	SGRP 21	SGRP 22	SGRP 23	SGRP 24
D	SGRP 25	SGRP 26	SGRP 27	SGRP 28	SGRP 29	SGRP 30	SGRP 31	SGRP 32	SGRP 33	SGRP 34	SGRP 35	SGRP 36
E	SGRP 37	SGRP 38	SGRP 39	SGRP 40	SGRP 41	SGRP 42	SGRP 43	SGRP 44	SGRP 45	SGRP 46	SGRP 47	SGRP 48
F	SGRP 49	SGRP 50	SGRP 51	SGRP 52	SGRP 53	SGRP 54	SGRP 55	SGRP 56	SGRP 57	SGRP 58	SGRP 59	SGRP 60
G	SGRP 61	SGRP 62	SGRP 63	SGRP 64	SGRP 65	SGRP 66	SGRP 67	SGRP 68	SGRP 69			
H												

- Measure in stationary phase: impossible to measure all of them in exponential phase.
- Measure after 48h.

MONDAY, 3/21/2022

- I'm doing the last replicate
- It looks like well E4 is contaminated in all plates. I should remove from data.
- I somehow forgot to measure tubes 65 to 69 for 0.2 % sucrose for replicate #3.

TUESDAY, 4/5/2022

- Redo SGRP-40 in all environments
- Redo SGRP-65 to 69 in 0.2 glucose.
- Start with SGRP-40:
 - Glucose
 - Sucrose
 - Glycerol
 - Ethanol
 - Galactose
- Then others in Sucrose 0.2%