

A Method to Study α -Synuclein Toxicity and Aggregation Using a Humanized Yeast Model

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Materials

Name	Company	Catalog Number	Comments
96 well plate	SPL	30096	
Agarose	TAESHIN	0158	
Bacto Agar	BD Difco	214010	
Breathe-easy	diversified biotech	BEM-1	Gas permeable sealing membrane for microtiter plates
cover glasses	Marienfeld		24 x 60 mm
Culture tube	SPL	40014	
Cuvette	ratiolab	2712120	
D-(+)-Galactose	sigma	G0625	
D-(+)-Glucose	sigma	G8270	
D-(+)-Raffinose pentahydrate	Daejung	6638-4105	
Incubator (shaking)	Labtron		model: SH11
Incubator (static)	Vision scientific		model: VS-1203PV-O
LiAc	sigma	L6883	
Microplate reader	Tecan	30050303 01	Model: Infinite 200 pro
multichannel pipette 20-200 μ L	gilson	FA10011	
multichannel pipette 2-20 μ L	gilson	FA10009	
Olympus microscope	Olympus	IX-53	
PEG	sigma	P4338	average mol wt 3,350
Petridish	SPL	10090	
pRS426			Christianson, T. W., Sikorski, R. S., Dante, M., Shero, J. H. & Hieter, P. Multifunctional yeast high-copy-number shuttle vectors. <i>Gene</i> . 110 (1), 119-122 (1992).
pRS426 GAL1 promoter α -synuclein A30P			Outeiro, T. F. & Lindquist, S. Yeast cells provide insight into alpha-synuclein biology and pathobiology. <i>Science</i> . 302 (5651), 1772-1775 (2003)
pRS426 GAL1 promoter α -synuclein A53T			Outeiro, T. F. & Lindquist, S. Yeast cells provide insight into alpha-

			synuclein biology and pathobiology. Science. 302 (5651), 1772-1775 (2003)
pRS426 <i>GAL1</i> promoter α -synuclein E46K			Outeiro, T. F. & Lindquist, S. Yeast cells provide insight into alpha-synuclein biology and pathobiology. Science. 302 (5651), 1772-1775 (2003)
pRS426 <i>GAL1</i> promoter α -synuclein WT			Outeiro, T. F. & Lindquist, S. Yeast cells provide insight into alpha-synuclein biology and pathobiology. Science. 302 (5651), 1772-1775 (2003)
Reservoir	SPL	23050	
Spectrophotometer	eppendorf	6131 05560	
W303a			Present from James Bardwell
Yeast nitrogen base w/o amino acids	Difco	291940	
Yeast synthetic drop-out medium supplements without uracil	sigma	Y1501	
YPD	Condalab	1547.00	