

Materials List for

High-Throughput Optogenetics Experiments in Yeast Using the Automated Platform LustrO

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jove.com/video/65686

Materials

Name	Company	Catalog Number	Comments
96-well glass bottom plate with #1.5 cover glass	Cellvis	P96-1.5H-N	
BioShake 3000-T elm (heater shaker)	QINSTRUMENTS		
Fluent Automation Workstation	Tecan		
LITOS (alternative illumination device)	Hohener, et al. Scientific Reports. 2022		
optoPlate-96 (illumination device)	Bugaj, et al. Nature Protocols. 2019		
Robotic Gripper Arm	Tecan		
Spark (plate reader)	Tecan		
Synthetic Complete media	SigmaAldrich	Y1250	
Tecan Connect (user alert app)	Tecan		
yMM1734 (BY4741 Mat α ura3 Δ 0::5' Ura3 homology, pRPL18B-Gal4DBD-eMagA-tENO1, pRPL18B-eMagB-Gal4AD-tENO1, pGAL1-mScarlet-I-tENO1, Ura3, Ura 3' homology his3D1 leu2D0 lys2D0 gal80::KANMX gal4::spHIS5)	Harmer, et al. ACS Syn Bio. 2023		
yMM1763 (BY4741 Mat α ura3 Δ 0::5' Ura3 homology, pRPL18B-Gal4DBD-CRY2(535)-tENO1, pRPL18B-Gal4AD-CIB1-tENO1, pGAL1-mScarlet-I-tENO1, Ura3, Ura 3' homology his3D1 leu2D0 lys2D0 gal80::KANMX gal4::spHIS5)	Harmer, et al. ACS Syn Bio. 2023		
yMM1765 (BY4741 Mat α ura3 Δ 0::5' Ura3 homology, pRPL18B-Gal4DBD-eMagA-tENO1, pRPL18B-eMagBM-Gal4AD-tENO1, pGAL1-mScarlet-I-tENO1, Ura3, Ura 3' homology his3D1 leu2D0 lys2D0 gal80::KANMX gal4::spHIS5)	Harmer, et al. ACS Syn Bio. 2023		
YPD Agar	SigmaAldrich	Y1500	