

Materials List for:

An Optogenetic Method to Control and Analyze Gene Expression Patterns in Cell-to-cell Interactions

Akihiro Isomura^{1,2}, Ryoichiro Kageyama^{1,3,4,5}

¹Institute for Frontier Life and Medical Sciences, Kyoto University

²Japan Science and Technology Agency, PRESTO

³Institute for Integrated Cell-Material Sciences, Kyoto University

⁴Graduate School of Medicine, Kyoto University

⁵Graduate School of Biostudies, Kyoto University

Correspondence to: Akihiro Isomura at aismura@infront.kyoto-u.ac.jp, Ryoichiro Kageyama at rkageyam@infront.kyoto-u.ac.jp

URL: <https://www.jove.com/video/57149>

DOI: [doi:10.3791/57149](https://doi.org/10.3791/57149)

Materials

Name	Company	Catalog Number	Comments
FACS	Becton, Dickinson and Company	FACSAriaII SORP	
Camera	Andor	iKon M-934	
Microscope	Olympus	IX-81 ZDC	
PMT device	Churitsu eletric corp.	CL24B-LIC/B	
Blue LED illuminator	OptoCode	LEDB-SBOXH	
DMEM	Nacalai	08459-35	
Penicillin-streptomycin	Nacalai	26253-84	
Fetal bovine serum	Sigma	172012	
KRYSTAL24 (black 24 well plate)	Hi-tech	303012	
D-Luciferin Potassium Salt	Nacalai	20028-24	
Light meter	LI-COR Biosciences	LI-250A	
anti-HA-Peroxidase antibody	Roche	clone 3F10	
anti-Actin-Peroxidase antibody	Wako	clone 2F3	