

Reactivation of Demembrated Cell Models in *Chlamydomonas reinhardtii*

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jove.com/video/63869

Materials

Name	Company	Catalog Number	Comments
0.5 mL plastic tube	QSP	502-PLN-Q	
15 mL conical tube	SARSTEDT	62.554.502	
Adenosine 5'-triphosphate disodium salt hydrate (ATP)	Sima-Aldrich	A2383	
Centrifuge	KUBOTA	2800	
Chlamydomonas strain CC-125	Chlamydomonas Resource Center		https://www.chlamycollection.org/
Creatine kinase	Merck	CK-RO	
Creatine phosphate	Merck	CRPHO-RO	
Dithiothreitol (DTT)	Nakalai tesque	14128-46	
GEDTA(EGTA)	Dojindo	G002	
Hepes	Dojindo	GB70	
Igepal CA-630	Sigma-Aldrich	I8896	IUPAC name is octylphenoxyethoxyethanol: IGEPAL CA-630 is a substitute for Nonidet P-40 (NP-40); NP-40 is no longer available in Sigma-Aldrich.
MgSO ₄ ·7H ₂ O	Nakalai tesque	21002-85	
Microscope	Olympus	BX-53	
Pasteur pipette	fisher scientific	13-678-20C	
Polyethylene glycol, Mr 20,000	Merck	8.18897.1000	
Pottasium acetate	Nakalai tesque	28434-25	
Sodium Hydroxide	Nacalai	31511-05	
Sucrose	FUJIFILM Wako Pure Chemical Corporation	196-00015	