

Materials List for:

Mitochondrial Ca²⁺ Retention Capacity Assay and Ca²⁺-triggered Mitochondrial Swelling Assay

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Materials

Name	Company	Catalog Number	Comments
SH-SY5Y cell line	ATCC (The Global Bioresource Center)	ATCC Number: CRL-2266	
Calcium green-5N	Life Technologies	c-3737	Ca ²⁺ -binding green fluorescent dye
complete protease inhibitors	Roche Molecular Biochemicals	4693116001	
glass homogenizer	Kimble Chase	9885303002	
glutamate	Sigma-Aldrich	RES5063G-A7	
malate	Sigma-Aldrich	46940-U	
rotenone	Sigma-Aldrich	R8875	
HEPES	Sigma-Aldrich	H3375	
MgCl ₂	Sigma-Aldrich	00457	
K ₂ HPO ₄	Sigma-Aldrich	V900050	
KCl	Sigma-Aldrich	P9541	
CaCl ₂	Sigma-Aldrich	V900266	
Varioskan flash instruments	Thermo Scientific	IC100E	
Bongkrekate	Biovision	1820-100	
atractyloside	Sigma-Aldrich	C4992	
high-glucose Dulbecco's modified Eagle medium	Hyclone	SH30022	4.5 g/L glucose, L-glutamine, without sodium pyruvate
fetal bovine serum	Hyclone	SV30087	
penicillin	Sigma-Aldrich	P3032	
streptomycin	Invitrogen	11860-038	
BCA assay kit	Thermo Scientific	NCI3225CH	
PBS	Hyclone	SH30256.01	
10 cm cell culture dish	NEST	704001	