

Materials List for:

Intracellular Refolding Assay

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Materials

Name	Company	Catalog Number	Comments
For this experiment a Luminometer form Perkin Elmer '1420 Luminescence Counter' Vector Light' was used			
Programs for the Luminometer:			
Renilla: Pump 1, 100 µl injection			
Reaction Buffer: Pump1, 70 µl injection			
Luciferin: Pump2, 30µl injection			
For the buffers prepare these stock solutions in double distilled water:			
- 1M MgSO₄: 246,48g MgSO₄*7H₂O in 1 liter - 0,5M EGTA: 190,18g EGTA in 1 liter - 1M KH₂PO₄: 136,09g KH₂PO₄ in 1 liter - 1M K₂HPO₄: 228,23g K₂HPO₄*3H₂O in 1 liter - 5M NaCl: 292,2g NaCl in 1 liter - 0,5M EDTA: 186,12g EDTA*2H₂O in 1 liter			
GLY-GLY-buffer:			
- 25mM Glycylglycin - 15mM MgSO₄ - 4mM EGTA			
For 1 liter use 3,3g of Glycylglycin, 15ml of a 1M MgSO ₄ solution and 8ml of a 0,5M EGTA solution. Solve in water, adjust the pH to 7,8 and bring to a total volume of 1 liter.			
Reaction buffer for Renilla/C-lenterazine buffer:			
- 13,4mM KH₂PO₄ - 86,6mM KH₂PO₄ - 0,5M NaCl - 1mM EDTA			
For 1 liter use 13,4ml of a 1M KH ₂ PO ₄ solution, 86,6ml of a 1M K ₂ HPO ₄ solution, 100ml of a 5M NaCl solution and 2ml of a 0,5M EDTA solution.			
DMEM (Dulbecco's Modified Eagle Medium 1X)	GIBCO	41966029	
Fetal Bovine Serum Gold	PAA	A15-151	
X-treme Gene 9 DNA Transfection Reagent	Roche	06365809001	
PBS Dulbecco's Phosphate Buffered Saline 1X	GIBCO	14190-094	

MOPS 3-(N-Morpholino)Propanesulfonic acid	SIGMA-ALDRICH	M1254	
Cycloheximide	SIGMA-ALDRICH	C7698	
Passive Lysis Buffer 5X	Promega	E194A	
Glycylglycin EGTA MgSO ₄ (MgSO ₄ *7H ₂ O)	SIGMA-ALDRICH Roth Roth	G7278 3054.2 P027.1	
KH ₂ PO ₄ K ₂ HPO ₄ (K ₂ HPO ₄ *3H ₂ O) NaCl EDTA	Roth Roth Roth Roth	3904.1 6878.2 3957.1 8043.1	
Luciferin Firefly	Biosynth	L8200	
C-lenterazine	Biosynth	C7000	
DTT (Dithiothreitol)	Roth	6908.2	
ATP (Adenosine Triphosphate)	Roche	10519987001	