

Materials List for:

Fluorescence Anisotropy as a Tool to Study Protein-protein Interactions

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Materials

Name	Company	Catalog Number	Comments
0.5 mm Glass beads	Biospec Products	11079105	
Tris Base	Formedium	TRIS01	Ultra pure
Glycerol	Sigma-Aldrich	G5516	
dye 4',5'-bis(1,3,2 dithioarsolan-2-yl) fluorescein	ThermoFischer Scientific	LC6090	This kit contains the dye to label a FIAsh tag
Ampiciline	IBI Shelton Scientific, Inc	IB02040	
D(+)-Glucose Anhydrous	Formedium	GLU03	
D(+)-Galactose	Formedium	GAL03	
L-Leucine	Formedium	DOC0157	
L-Tryptofan	Formedium	DOC0189	
Bezamidine hydrochloride	Sigma-Aldrich	B6506-5G	
PMSF	Gold Biotechnology, Inc	P-470-25	Phenylmethylsulfonyl fluoride
NaCl	Formedium	NAC02	Sodium Chloride
Glycerol	Tecsiqum, S.A. de C.V.	GT1980-6	
MgCl ₂	Merck Millipore Corporation	1725711000	Magnesium Chloride
Imidazole	Sigma-Aldrich	I2399-500G	
2-Mercaptoethanol	Sigma-Aldrich	M6250-100ML	
K ₂ HPO ₄	Sigma-Aldrich	P3786-500G	Potassium phosphate dibasic
NaH ₂ PO ₄	Sigma-Aldrich	S3139-500G	Sodium phosphate monobasic
Yeast nitrogen base without amino acids	Formedium	CYN0410	
Yeast extract	Formedium	YEM03	Micro Granulated
L-Tyrosine	Formedium	DOC0193	
Adenine sulphate	Formedium	DOC0230	
Casamino acids	Formedium	CAS03	
Tryptone	IBI Shelton Scientific, Inc	IB49182	
IPTG	Formedium	IPTG025	
Filtration units	Merck Millipore Corporation	UFC901096	Amicon Ultra-15, membrana PLGC Ultracel-PL, 10 kDa
Membrane Filter	Merck Millipore Corporation	GSWP04700	Membrane Filter, mixed cellulose esters, Hydrophilic, 0.22 µm, 47 mm, white, plain
Ni ²⁺ affinity column	QIAGEN	30760	Cartridge pre-filled with 5 ml Ni-NTA Superflow
Strong Sulfopropyl cation exchanger column	GE Healthcare Life Science	17-5157-01	HiTrap SP Sepharose FF 5 ml

Size Exclusion column	GE Healthcare Life Science	28989335	HiLoad 16/600 Superdex 200 PG
Fluorescence cell	Hellma Analytics	111-057-40	
Spectrophotometer	Agilent Technologies	G6860AA	Cary 60 UV-Vis
Shaker	ThermoFischer Scientific	SHKA4000-7	MaxQ 4000 Benchtop temperature range Ambient-15° to 60°C
Centrifuge	ThermoFischer Scientific	75004271	Heraeus Megafuge 16R
FPLC	Pharmacia Biotech	Discontinued	FPLC system conductivity UV-MM II monitor P500 pump fraction
Spectrofluorometer	Olis	No applicable	Olis DM 45 with Polarization Toolbox