

Materials List for:

Photo-Induced Cross-Linking of Unmodified Proteins (PICUP) Applied to Amyloidogenic Peptides

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Materials

Name	Type	Company	Catalog Number	Comments
Dolan-Jenner 200-W incandescent lamp	Other	Dolan-Jenner Industries	Model 170-D	The heat generated by the lamp d-s not affect samples for short incubation periods.
35-mm SLR camera body	Tool	Pentax	SP500 model	In our settings, a bellows is attached to the body of the camera to provide a convenient chamber for irradiation of the sample placed 10 cm away from the light source.
Clear, thin walled PCR tubes	Other	Eppendorf	951010006 supplied by Fisher L22-003-24	
Glass vials (1.8 mL)	Other	Kimble Chase	60940A 2, supplied by Fisher 03-340-60	
GRF	Reagent	Bachem	H-3695	
HFIP	Reagent	TCI America	H0424	Use in a fume hood.
Aβ40 and Aβ42	Reagent	UCLA Biopolymers Laboratory		
Calcitonin	Reagent	American Peptide	22-1-10	
Tris(2,2-bipyridyl)dichlororuthenium(II) hexahydrate	Reagent	Sigma-Aldrich	224758-1G	Vortex until the solution is clear. Cover the RuBpy tube with foil to protect the reagent from ambient light. RuBpy is prepared freshly each time and should be used within 48 h.
Ammonium persulfate	Reagent	Sigma-Aldrich	A-7460	Vortex until the solution is clear. APS is prepared freshly each time and should be used within 48 h.
β-mercapt-ethanol	Reagent	Sigma-Aldrich	M7154-25 ML	Can be used when SDS-PAGE analysis is performed.
Novex Tricine SDS Sample Buffer (2x)	Reagent	Invitrogen	LC1676	
XCell SureLock Mini-Cell	Tool	Invitrogen	EI0001	
Novex Tricine Gels (10-20%)	Other	Invitrogen	EC6625B0X	
Novex Tricine SDS Running Buffer (10x)		Invitrogen	LC1675	

Silver Express Staining Kit		Invitrogen	LC6100	
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