

Materials List for:

# Analysis of Translation Initiation During Stress Conditions by Polysome Profiling

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URL: <https://www.jove.com/video/51164>

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## Materials

Name	Company	Catalog Number	Comments
Cells			
HeLa cervical cancer cells	American Type Culture Collection (Manassas, VA; ATCC)	CCL-2	
Schneider <i>Drosophila</i> embryonic cells	American Type Culture Collection (Manassas, VA; ATCC)	CRL-1963	
Culture medium and Supplements			
Schneider's <i>Drosophila</i> Medium	Sigma-Aldrich	SO146-500ml	
DMEM	Life technologies	11995-073	
FBS	Fisher Scientist Scientist	SH30396-03	
Penicillin/streptomycin	Life technologies	15140122	
Sucrose solutions			
D-sucrose	Fisher Scientist	BP220-212	
Glycerol	Sigma-Aldrich	49767	
Bromophenol blue	Fisher Scientist	B3925	
Lysis buffer			
Tris HCl	Fisher Scientist	BP153-500	
MgCl <sub>2</sub>	Sigma-Aldrich	M2670-100G	
NaCl	Tekniscience	3624-05	
DTT	Sigma-Aldrich	D 9779	
Nonidet P40 (Igepal CA-630 )	MJS Biolynx	19628	
SDS	Tekniscience	4095-02	
RNase inhibitor (RNaseOUT Recombinant Ribonuclease Inhibitor)	Life technologies	10777-019	
Antiproteases (complete, mini, EDTA free)	Roche	11,836,170,001	
RNA Extraction			
Proteinase K	Life technologies	AM2542	
Phenol:chloroform	Fisher Scientist	BP1754I-400	
Chloroform	Fisher Scientist	C298-500	
Glycogen	Life technologies	10814-010	
Isopropanol	Acros organics	327270010	
Antibodies			

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anti-FMRP antibody	Fournier <i>et al.</i> , Cancer Cell International, 2010		
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