

Materials List for:

Analysis of Spliceosomal snRNA Localization in Human HeLa Cells Using Microinjection

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Materials

Name	Company	Catalog Number	Comments
ChromaTide Alexa fluor 488-5-UTP	ThermoFisher	C11403	Stock concentration 1 mM
Dulbecco's Modified Eagle Medium - high glucose	Sigma-Aldrich	D5796	Containing 4.5 g/L D-glucose, Phenol red and antibiotics
FemtoJet express Injector	Eppendorf	5247000013	
Femtotips II	Eppendorf	930000043	Microinjection needle of 0.5 µm inner and 0.7 µm outer diameter
Fluoromont G with DAPI	SouthernBiotech	0100-20	
Glycogen	ThermoFisher	AM9510	Stock concentration 5 mg/mL
Gridded Glass Coverslips	Ibidi	10817	Coverslips with a grid, no direct experience with them
InjectMan NI 2 Micromanipulator	Eppendorf	5181000017	
m3-2,2,7G(5')ppp(5')G trimethylated cap analogue	Jena Bioscience	NU-853-1	Stock concentration 40 mM
MEGashortscript T7 Transcription Kit	ThermoFisher	AM1354	
Microscope Cover Glasses 12 mm, No. 1	Paul Marienfeld GmbH	111520	For routine work
Microscope Cover Glasses 12 mm, No. 1.5	Paul Marienfeld GmbH	117520	For high resolution images
Microscope DeltaVision	GE Healthcare		For image acquisition
Microscope DMI6000	Leica		For microinjection
Paraformaldehyde 32% solution EM grade	EMS	15714	Dissolved in PIPES to the final concentration 4%
Phenol:Chloroform 5:1	Sigma-Aldrich	P1944	
Primers for U2 amplification: Forward: 5'-TAATACGACT CACTATAGGGATCGCTTCT CGGCCTTTTGG, Reverse: 5' TGGTG CACCGTTCCTGGAGGT	Sigma-Aldrich		T7 rpromoter sequence in italics
Phusion High Fidelity DNA polymerase	BioLab	M0530L	
RNasin Plus	Promega	N2615	Stock concentration 40 mM
Tetramethylrhodamine isothiocyanate Dextran 65-85 kDa	Sigma-Aldrich	T1162	Dissolved in water, stock concentration 1 mg/mL
Triton-X100	Serva	37240	Dissolved in water, stock concentration 10%