

Materials List for:

Transcriptional Analysis by Nascent RNA FISH of *In Vivo* Trophoblast Giant Cells or *In Vitro* Short-term Cultures of Ectoplacental Cone Explants

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Materials

Name	Company	Catalog Number	Comments
Stereomicroscope	Nikon	SMZ 1500	
Stereomicroscope	Zeiss	Stemi SV6	
Scissors Pascheff-Wolff	Moria	MC19	
Dumont #5 forceps	Roth	PK78.1	
4-well tissue culture dishes	Nunc	176740	
60 mm Petri dishes Falcon	Dutsher, France	353004	
100 mm Petri dishes Falcon	Dutsher, France	353003	
Coverslips 18 mm x 18 mm	VWR	631-1331	
Coverslips 22 mm x 22 mm	VWR	631-0125	
12 mm glass round coverslips	Harvard apparatus	64-0712	
Slides Superfrost plus	VWR	631-9483	
4-slide Transport box Lockmailer	Dutsher, France	40684	
Cryotubes 1.8 ml Corning	Fisher Science	10418571	
Glass Coplin staining jars	Fischer Scientific	W1561L	
TissueTek O.C.T compound	VWR	4583	
RPMI 1640 medium	Invitrogen	61870	
Phosphate buffered saline (PBS)	Sigma-Aldrich	D1408	10x is used
Water	Sigma-Aldrich	W3500	
Paraformaldehyde	Panreac Quimica, Spain	141451	3% in PBS
Triton-X-100	Euromedex	2000-A	0.5% final
Vanadyl ribonucleoside complex (VRC)	New England Biolabs, USA	S1402S	
Sodium dextran sulfate	Sigma-Aldrich	D8906	
Bovine serum albumin (BSA)	New England Biolabs, USA	B9001S	
Formamide	Sigma-Aldrich	47671-1L-F	aliquots kept at -20 °C
Illustra TempliPhi Kit Construct (Kit MDA)	Dutsher, France	25-6400-80	
Nick translation kit	Abbott, USA	07J00-001	
20x SSC buffer concentrate	Sigma-Aldrich	S6639	
Spectrum green dUTP	Abbott, USA	02N32-050	
Spectrum red dUTP	Abbott, USA	02N34-050	
Cy-5 dUTP	Dutsher, France	PA55022	
Mouse Cot-1 DNA	Invitrogen	18440016	
DNA, MB grade	Invitrogen	Roche	DNA from fish sperm

4',6-diamidino-2-phenylindole dihydrochloride	Sigma-Aldrich	D9564	DAPI
Glycerol	Sigma-Aldrich	G9012	
p-phenylenediamine	Sigma-Aldrich	695106	
Centrifuge 5417R	Eppendorf, Germany		molecular biology grade
Eppendorf concentrator plus	Eppendorf		
Eppendorf Thermomixer comfort	Eppendorf		
Liquiport Liquid pump	KNF Neuberger, Trenton, USA		
Shake'N'Bake Hybridization oven	Boekel Scientific, USA		
Cryostat	Leica	CM3050	