

Materials List for:

A High Throughput *in situ* Hybridization Method to Characterize mRNA Expression Patterns in the Fetal Mouse Lower Urogenital Tract

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URL: <https://www.jove.com/video/2912>

DOI: [doi:10.3791/2912](https://doi.org/10.3791/2912)

Materials

Name	Company	Catalog Number	Comments
Anti-Digoxigenin antibody, Fab fragments	Roche Group	11214667001	
Blocking reagent	Roche Group	11096176001	
BM Purple AP substrate, precipitating	Roche Group	11442074001	
Bovine Serum Albumin	Fisher Scientific	BP1600-100	
Cell culture plate, 24 well	Corning	3524	
Digoxigenin 11-UTP	Roche Group	1277073910	
dNTPs	Roche Group	11969064001	
Double-edged razor blade	Wilkinson Sword	Classic Model	
Eliminase RNase remover	Decon Laboratories	1102	
Formamide	Sigma-Aldrich	F5786-1L	
Gel extraction kit	Qiagen	28704	
Glutaraldehyde, 25% solution in H ₂ O	Sigma-Aldrich	G6257-100ML	
Heparin, sodium salt	Sigma-Aldrich	H3393	
Hydrogen peroxide, 30% solution in H ₂ O	Fisher Scientific	BP2633-500	
Levamisole	Sigma-Aldrich	L9756	
Loctite 404 quick set instant adhesive	Henkel Corp	46551	
Magnesium chloride	Fisher Scientific	M33-500	
Maleic acid	Sigma-Aldrich	M0375-500G	
Microcentrifuge tubes, 1.5mL	Biologix Research Company	BP337-100	
Millicell culture plate insert	EMD Millipore	PICM01250	
Molecular grinding resin	G-Biosciences	786-138PR	
Paraformaldehyde, 4% solution in phosphate buffered saline	Affymetrix	19943	
Phosphate buffered saline, without Ca & Mg	MP Biomedicals	ICN1760420	
Polyester mesh, 33 micron, 12"# x 24"#	Small Parts, Inc.	CMY-0033-D	
Proteinase K solution, 20mg/ml	Amresco	E195-5ML	
QIAshredder Columns	Qiagen	79654	
Q solution	Qiagen	Provided with Taq DNA polymerase	

RNase	Sigma-Aldrich	R6513	
RNase inhibitor	Roche Group	03335399001	
RNeasy mini kit	Qiagen	74104	
RNEASY mini kit	Qiagen	74104	
RQ1 RNase-free DNase	Promega Corp.	M6101	
SeaPlaque low-melt agarose	Lonza Inc.	50101	
Sheep serum	Sigma-Aldrich	S2263-500mL	
Stericup filter unit, 0.22µm, polyethersulfone, 500mL	EMD Millipore	SCGPU05RE	
Sodium azide, granular	Fisher Scientific	S2271-100	
Sodium chloride	Fisher Scientific	BP358-212	
Sodium dodecyl sulfate	Fisher Scientific	S529-500	
SSC, 20X solution	Research Products International Corp.	S24022-4000.0	
SuperScript III first-strand synthesis system	Invitrogen	18080-051	
T7 RNA polymerase	Roche Group	10881767001	
Taq DNA polymerase	Qiagen	201203	
Tris-HCl	Fisher Scientific	BP153-1	
Tween 20	Fisher Scientific	BP337-100	
Vibrating microtome with deluxe specimen bath	Leica Microsystems	VT1000A	
Yeast tRNA	Roche Group	109495	