

Materials List for:

Use of Single Molecule Fluorescent In Situ Hybridization (SM-FISH) to Quantify and Localize mRNAs in Murine Oocytes

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URL: <https://www.jove.com/video/59414>

DOI: [doi:10.3791/59414](https://doi.org/10.3791/59414)

Materials

Name	Company	Catalog Number	Comments
(±)-α-Lipoic acid	Sigma-Aldrich	T1395	Alpha Lipoic Acid
Albumin, Bovine Serum, Low Fatty Acid	MP Biomedicals, LLC	199899	FAF BSA
BD 10mL TB Syringe	Becton, Dickinson and Company	309659	10 mL syringe
BD PrecisionGlide Needle	Becton, Dickinson and Company	305109	27 1/2 gauge needle
Calcium chloride dihydrate	Sigma-Aldrich	C7902	CaCl ₂ -2H ₂ O
Citric acid	Sigma-Aldrich	C2404	Citrate
D-(+)-Glucose	Sigma-Aldrich	G6152	Glucose
Disodium phosphate			Na ₂ HPO ₄
Easy Grip Petri Dish	Falcon Corning	351008	35 mm dish
Edetate Disodium	Avantor	8994-01	EDTA
Extra Fine Bonn Scissors	Fine Science Tools	14084-08	Straight, Sharp/Sharp, non-serrated, 13mm cutting edge scissors
Fetal Bovine Serum	Atlanta biologicals	S10250	FBS
Gentamicin Reagent Solution	gibco	15710-064	Gentamicin
GlutaMAX-I (100X)	gibco	35050-061	Glutamax
Gold Seal Micro Slides	Gold Seal	3039	25 x 75mm slides
Gonadotropin, From Pregnant Mares' Serum	Sigma	G4877	eCG
hCG recombinant	NHPP	AFP8456A	hCG
Hyaluronidase, Type IV-S: From Bovine Testes	Sigma-Aldrich	H3884	Hyaluronidase
Jewelers Style Forceps	Integra	17-305X	Forceps 4-3/8", Style 5F, Straight, Micro Fine Jaw
L-(+)-Lactic Acid, free acid	MP Biomedicals, LLC	190228	L-Lactate
Magnesium sulfate heptahydrate	Sigma-Aldrich	M2773	MgSO ₄ -7H ₂ O
MEM Nonessential Amino Acids	Corning	25-025-CI	NEAA
Microscope Cover Glass	Fisher Scientific	12-542-C	25 x 25x 0.15 mm cover slips
Mm-Nanog-O2-C2 RNAscope Probe	Advanced Cell Diagnostics	501891-C2	Nanog Probe
Mm-Pou5f1-O1-C3 RNAscope Probe	Advanced Cell Diagnostics	501611-C3	Pou5f1 Probe
MOPS	Sigma-Aldrich	M3183	
Paraformaldehyde	Sigma-Aldrich	P6148	Paraformaldehyde
PES 0.22 um Membrane -sterile	Millex-GP	SLGP033RS	0.22 um filters
Polyvinylpyrrolidone	Sigma-Aldrich	P0930	PVP

Potassium chloride	Sigma-Aldrich	60128	KCl
Potassium phosphate monobasic	Sigma-Aldrich	60218	KH ₂ PO ₄
Prolong Gold antifade reagent	invitrogen	P36934	Antifade reagent without DAPI
RNAScope DAPI	Advanced Cell Diagnostics	320858	DAPI
RNAScope FL AMP 1	Advanced Cell Diagnostics	320852	Amplifier 1
RNAScope FL AMP 2	Advanced Cell Diagnostics	320853	Amplifier 2
RNAScope FL AMP 3	Advanced Cell Diagnostics	320854	Amplifier 3
RNAScope FL AMP 4 ALT A	Advanced Cell Diagnostics	320855	Amplifier 4 ALT A
RNAScope FL AMP 4 ALT B	Advanced Cell Diagnostics	320856	Amplifier 4 ALT B
RNAScope FL AMP 4 ALT C	Advanced Cell Diagnostics	320857	Amplifier 4 ALT C
RNAScope Fluorescent Multiplex Detection Reagents Kit	Advanced Cell Diagnostics	320851	FISH Reagent Kit
RNAScope Probe 3-plex Negative Control Probe	Advanced Cell Diagnostics	320871	Negative Control
RNAScope Probe 3-plex Positive Control	Advanced Cell Diagnostics	320881	Positive Control
RNAScope Probe Diluent	Advanced Cell Diagnostics	300041	Probe Diluent
RNAScope Protease III	Advanced Cell Diagnostics	322337	Protease III
RNAScope Protease III & IV Reagent Kit	Advanced Cell Diagnostics	322340	FISH Protease Kit
RNAScope Protease IV	Advanced Cell Diagnostics	322336	Protease IV
S/S Needle with Luer Hub 30G	Component Supply Co.	NE-301PL-50	blunt 30 gauge needle
Sodium bicarbonate	Sigma-Aldrich	S6297	NaHCO ₃
Sodium chloride	Sigma-Aldrich	S6191	NaCl
Sodium hydroxide	Sigma-Aldrich	306576	NaOH
Sodium pyruvate, >= 99%	Sigma-Aldrich	P5280	Pyruvate
Solution 6 Well Dish	Agtechinc	D18	6 well dish
Taurine	Sigma-Aldrich	T8691	Taurine
Tissue Culture Dish	Falcon Corning	353002	60 mm dish
Triton X-100	Sigma-Aldrich	X100	Triton X-100