

Materials List for:

Fluorescence *in situ* hybridization (FISH) Protocol in Human Sperm

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URL: <https://www.jove.com/video/1405>

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Materials

Name	Type	Company	Catalog Number	Comments
1,4-Dithiothreitol (DTT)	Material	Roche Group	10197777001	
2-Amino-2-(hydroxymethyl)-1,3-propanediol	Material	Roche Group	10708976001	
Acetic acid	Material	Merck & Co., Inc.	100.063	
AneuVysion® Multicolor DNA Probe Kit • 20xSaline-Sodium Citrate • 4,6-diamidino-2-phenylindole (DAPI II) • CEP 18/X/Y DNA probe • NP-40 • LSI 13/21 DNA probe	Material	Vysis Inc.	32-161075 • 30-805850 • 30-804941 • 30-171077 • 30-804820 • 30-171078	
Centrifuge 5804R	Tool	Eppendorf		
Centrifuge tube	Material	Nalge Nunc international	347856	
Coplin jar (glass)	Material	Barloworld Scientific	Hellendahl (ZCT278)	
Coplin jar (plastic)	Material	Deltalab	191087	
Cover slips (15x15)	Material	Knittel Glaser	4600115	
Cover slips (18x18)	Material	Knittel Glaser	4600118	
Diamond pencil	Material	Hammacher	335117010	
Ethanol	Material	Merck & Co., Inc.	100.983	
Formamide	Material	Roche Group	11814320001	
Freezer	Tool	Zanussi		
Gloves	Material	Sanyo	101/3300	
HYBrite™	Tool	Vysis Inc.		
Immersion Oil	Material	Olympus Corporation	35505	
Incubator	Tool	Heraeus Instruments		
Methanol	Material	Merck & Co., Inc.	106.009	
Micropipette	Material	Labsystems	Finnpipette (4500000)	
Micropipette replacement tip	Material	Daslab	16-2001	
Nail varnish	Material	Quo-cosmetics		
Olympus BX60 epifluorescence microscope	Tool	Olympus Corporation		Equipped with a triple-band filter for DAPI/Texas Red/ FITC and single-band filters for Aqua, FITC and Texas Red.

Pasteur Pipette	Material	Rubilabor	211.0230	
Phase contrast microscope	Tool	Nikon Instruments		
Plastic pipette (3ml)	Material	Deltalab	200007	
Potassium chloride (KCl)	Material	Fluka	60128	
Rubber cement	Material	Best-test		
Slides	Material	Knittel Glaser	4520022	
Slide Saver Boxes	Material	Deltalab	19276.1	
Sterile container	Material	Deltalab	409726	
Syringe	Material	PentaFerte	002022300	
Thermometer	Material	Comark Instruments, Inc	KM12	
Tri-distilled water	Material			
Triton X-100	Material	Sigma-Aldrich	9002-93-1	
Tweezers	Material	B. Braun Medical	Aesculap (BD224R)	
Vertical laminar <i>flow hood</i>	Tool	Burdinola	OR-ST 1500	
Vortex mixer	Tool	Fisher Scientific	FB15012	
Water bath	Tool	Raypa®		