

# Exploring X Chromosomal Aberrations in Ovarian Cells by using Fluorescence *In Situ* Hybridization

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jove.com/video/64734

## Materials

Name	Company	Catalog Number	Comments
Acetic acid	Biosolve BV	0001070602BS	
Centrifuge 1200	Hettich Universal	4140	
Collagenase I	Sigma	131470	
Coverslip	VWR	0631-0146	
DAPI	Vector	H-1200	
DNase I	Roche	10104159001	
Dulbecco's Phosphate Buffered Saline	Lonza	BE17-513Q	
EDTA	Merck	108421	
Eosin-Y	Sigma	1159350100	
Ethanol	EMSURE	1009832500	
Fetal Bovine Serum (FBS)	Life technology	10100147	
Fluorescence microscope for sections DM4 B	Leica Microsystems		
Fluorescence microscope scope A1	Zeiss AXIO		
Fluorescent labeled probes for dissociated cells	Abbott Diagnostics	CEPX (DXZ1) 05J1023 CEP18 (D18Z1) 05J0818	
Fluorescent labeled probes for tissue sections	Abbott Diagnostics	CEP X (DXZ1) 05J08-023 CEP 18 (D18Z1) 05J10-028	
Formaldehyde	Sigma	252549	
Glucose	Merck	108337	
Glue (Fixogum)	Leica Microsystems	LK071A	
Hematoxylin	Sigma	1159380025	
Hybridization buffer	Abott Diagnostics	32-804826/06J67-001	
Hybridization Station	Dako	S2451	
Hydrochloric acid	Merck	1003171000	
Image processing software individual ovarian cortex cells (Cytovision 7.7)	Leica Biosystems		

Image processing software on paraffine sections	Leica Application Suitex (3.7.5.24914)		
Immunohistochemistry microscope slides	Dako	K802021-2	
L15	Lonza	12-700Q	
Liberase DH	Roche	05 401 151 001	
Light microscope	Zeiss West Germany		
Magnesium sulphate	Merck	A335586	
Methanol	Honeywell	14262-1L	
Mounting medium	Vectashield, Vector	H-1000	
Nonidet P40	Sigma	7385-1L	
Paraffin	Poth Hile	2712.20.10	
Pepsin	Sigma	P7000-25G	
Phosphate-Buffered Saline (PBS)	Gibco	11530546	
Plastic pipette	CooperSurgical	7-72-4075/1	
Potassium chloride	Merck	1049361000	
Proteinase K	Qiagen	19131	
Rotation microtome HM 355S	Thermo scientific		
Scalpel	Dahlhausen	11.000.00.515	
Slide for FISH on dissociated cells	Thermo scientific	J1810AM1JZ	
Sodium bicarbonate	Sigma	55761-500G	
Standard Sodium Citrate (SSC)	Fisher Scientific, Invitrogen	10515203	
Stereomicroscope IX 70	Olympus		
Target Retrieval Solution	Dako	GV80511-2	
Trypsin	Sigma	T4799	
Tween-20	ThermoFisher	85113	
Xylene	BOOM	760518191000	