

Materials List for:

# Characterization of Tumor Cells Using a Medical Wire for Capturing Circulating Tumor Cells: A 3D Approach Based on Immunofluorescence and DNA FISH

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URL: <https://www.jove.com/video/56936>

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## Materials

Name	Company	Catalog Number	Comments
Ethanol	Carlo Erba	# 414605	
Tween 20	BIO RAD	# 1706531	
PBS (Phosphate Buffered Saline)	Medicago	# 09-9400-100	
Acetone	Sigma Aldrich	# 534064-500ML	
BSA	Sigma Aldrich	# A7906	
Triton X-100 Detergent	BIO RAD	# 1610407	
RUBBERCEMENT	Royal Talens	# 95306500	
Vysis 20X SSC (66g)	Abbott Molecular Inc.	# 30-804850	powder to be resuspended in distilled H <sub>2</sub> O, as recommended
RPMI 1640	Gibco	# 31870-025	
FBS (Fetal Bovine Serum)	Gibco	# 10270-098	
L-Glutamine (200mM)	Gibco	# 25030-024	
Penicillin-Streptomycin	Gibco	# 15140-122	
H <sub>2</sub> O	MilliPore		
XT ALK BA	MetaSystems Probes	# D-6001-100-OG	
DAPI, FluoroPure grade	Invitrogen	# D21490	
SlowFade Diamond Antifade Mountant with DAPI	Life Technologies	# S36973	
EpCAM-FITC (clone: HEA-125)	Mitenyi	# 130-080-301	
Micro tubes M-Tube18	Gilupi Nanomedizin		
Detektor CANCER01 EpCAM	Gilupi Nanomedizin		Functionalized wire
STAR FROST Microscope Slides	Knittel GLÄSER	VS1117# 076FKB	
SecureSlip Silicone Supported Coverglass	GRACE BIO-LABS	# 104112	
ZEISS Fluorescent Microscope Axioskop	ZEISS		
Nikon NIS-Elements BR 4.11.00 64 bit software	Nikon	BR 4.11.00	
Nikon DS-QiMc 12 bit digital camera	Nikon	DS-QiMc	