

Materials List for

# Extracellular Vesicle Uptake Assay via Confocal Microscope Imaging Analysis

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## Citation

Kim, C.J., Kuczler, M.D., Dong, L., Kim, J., Amend, S.R., Cho, Y.K., Pienta, K.J. Extracellular Vesicle Uptake Assay via Confocal Microscope Imaging Analysis. *J. Vis. Exp.* (180), e62836, doi:10.3791/62836 (2022).

## Date Published

February 14, 2022

## DOI

10.3791/62836

## URL

jove.com/video/62836

## Materials

Name	Company	Catalog Number	Comments
Alexa Fluor 488 anti-human CD63 Antibody	Biolegend	353038	Fluorescent dye conjugated EV-specific antibody
CellTracker Orange CMTMR Dye	Thermo Fisher Scientific	C2927	Live cell (cytoplasm) fluorescent labeling reagent
CFI Apo Lambda S 40XC WI	Nikon	MRD77400	Objective for confocal imaging, NA=1.25
CFI Plan Apo VC 20X	Nikon	MRD70200	Objective for confocal imaging, NA=0.75
Exodisc	Labspinner Inc.	EX-D1001	A nano-filtration based microfluidic device for EV isolation
ExoDiscovery	Labspinner Inc.	EX-R1001	Operation device for Exodisc
Exosome-depleted FBS	Thermo Fisher Scientific	A2720801	Nutrient of cell culture media for PC3 cell line derived EV collection
Fetal bovine serum (FBS)	VWR	1500-500	Nutrient for cell cultivation
Goat Anti-Mouse IgG H&L preadsorbed	abcam	ab7063	Mouse IgG antibody for negative control of EV labeling
Ibidi USA U DISH $\mu$ -Dish 35 mm	Ibidi	81156	Culture dish for confocal imaging
Imaris 9.7.1	Oxford Instruments	9.7.1	Post-image processing software
Incubator System+ CO <sub>2</sub> /O <sub>2</sub> /N <sub>2</sub> gas mixer	Live Cell Instrument	TU-O-20	Incubator system for live cell imaging
Nikon A1 HD25 / A1R HD25 camera	Nikon	NA	Camera for confocal imaging
Nikon Eclipse Ti microscope	Nikon	NA	Inverted microscope for confocal imaging
NIS-Elements AR 4.50.00	Nikon	4.50.00	Image processing software for Nikon microscope
NTA, NanoSight NS500	Malvern Panalytical	NS500	Measurement device for EV concentration
OriginPro 2020	OriginLab	9.7.0.185	Graphing software
Penicillin-Streptomycin	Thermo Fisher Scientific	15140122	Antibiotics for cell cultivation

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RPMI 1640	Thermo Fisher Scientific	21875034	Cell culture media for PC3 cell line cultivation
SYTO RNASelect Green Fluorescent cell Stain - 5 mM Solution in DMSO	Thermo Fisher Scientific	S32703	RNA staining fluorescent dye for the EV labeling