

Single-Particle Interferometric Reflectance Imaging Characterization of Individual Extracellular Vesicles and Population Dynamics

 Fengyan Deng¹, Anamika Ratri¹, Clayton Deighan², George Daaboul², Paige C. Geiger¹, Lane K. Christenson¹
¹Department of Molecular and Integrative Physiology, University of Kansas Medical Center ²NanoView Biosciences

Corresponding Author

 Lane K. Christenson
 lchristenson@kumc.edu

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jove.com/video/62988

Materials

Name	Company	Catalog Number	Comments
10-cm sterile Petri dish	Fisher	FB0875712	
15mL sterile tube	n/a	various	
24-well cell culture plate, flat bottom	Fisher	08-772-1	
Blocking Solution	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Chipfiles	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Chips	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Chuck	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Corning Easy Grip Disposable Polystyrene Sterile Bottles 250 ml	Fisher	09-761-4	
Corning Easy Grip Disposable Polystyrene Sterile Bottles 500 ml	Fisher	09-761-10	
Deionized (DI) water	Fisher	LC267404	
EMS style tweezers with Carbon Fiber tips	Fisher	50-193-0842	
ExoView Human Tetraspanin Kit	NanoView Biosciences	EV-TETRA-C	Capture for hCD81, hCD9, hCD63, IgG Control + stains for hEV-A (hEV-CD63-647, hEV-CD81-555, hEV-CD9-488) 16 Chips per kit
ExoView R100 Imager	NanoView Biosciences	EV-R100	Interferometric microscope including high specification camera including 3 color fluorescence and label free sizing and counting extracellular vesicles
Fluorescently labeled huma CD9 IgG antibody	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.

Fluorescently labeled human CD63 IgG antibody	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Fluorescently labeled human CD81 IgG antibody	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Incubation Solution	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Orbital shaker or microplate shaker with digital settings capable of shaking at 500 rpm	n/a	various	
Plate Seal	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Solution A	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Solution B	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Solution C	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Solution D	NanoView Biosciences	EV-TETRA-C	Can be found in ExoView Human Tetraspanin Kit.
Square/flat tip tweezer	Fisher	50-239-62	
Straight strong point Boley style tweezers	Fisher	16-100-124	
Thermo Scientific Adhesive PCR Plate Seals	Fisher	AB-0558	