

Extracellular Vesicle Tissue Factor Activity Assay

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jove.com/video/65840

Materials

Name	Company	Catalog Number	Comments
1.5 mL tube for 20,000 x <i>g</i> centrifuge	any company	N/A	We use the one from Fisher Scientific (Catalog number: 05-408-129).
1.5 mL tube for ultracentrifuge	any company	N/A	We use the one from Beckman Coulter (Catalog number: 357448)
15 mL tube	any company	N/A	We use the one from VWR (Catalog number: 89039-666)
21 G x .75 in. BD Vacutainer Safety-Lok Blood Collection Set with 12 in. tubing and luer adapter	BD	367281	
96-well plate	any company	N/A	We use the one from Globe Scientific (Catalog number: 120338).
BD Vacutainer Citrate Tubes	BD	363083	
Bovine serum albumin	Sigma Aldrich	A9418	
Calcium chloride	Fisher Scientific	C69-500	
Centrifuge for 1.5 mL tube	any company	N/A	We use the Centrifuge 5417R (Eppendorf).
Centrifuge for 15 mL tube	any company	N/A	We use the Centrifuge 5810R (Eppendorf).
D-(+)-Glucose	Sigma Aldrich	G7021	
Ethylenediaminetetraacetic acid tetrasodium salt dihydrate	Sigma Aldrich	E6511	
Hepes	Sigma Aldrich	H4034	
Human FVIIa	Enzyme Research Laboratory	HFVIIa	The solution should be diluted with HBSA-Ca(+).
Human FX	Enzyme Research Laboratory	HFX1010	The solution should be diluted with HBSA-Ca(+).
Inhibitory mouse anti-human tissue factor IgG, clone HTF-1	Fisher Scientific	550252	
Lipopolysaccharide from <i>Escherichia coli</i> O111:B4	Sigma Aldrich	L2630	There are several lipopolysaccharide from different <i>E. coli</i> . Different lipopolysaccharide have different potential to activate monocytes.
Mouse IgG	Sigma Aldrich	I5381	
Pefachrome FXa 8595	Enzyme Research Laboratory	085-27	

Plate reader	any company	N/A	We use the SpectraMax i3x from Molecular Devices
Re-lipidated recombinant tissue factor, Dade Innovin	Siemens	10873566	
Sodium chloride	Fisher Scientific	S271-500	
Ultracentrifuge	Beckman Coulter	Optima TLX	
Ultracentrifuge rotor	Beckman Coulter	TLA-55	