

Materials List for:

Automated Image-Based Quantification of Neutrophil Extracellular Traps Using NETQUANT

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URL: <https://www.jove.com/video/58528>

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Materials

Name	Company	Catalog Number	Comments
BD Vacutainer Heparinised plastic tubes	BD Biosciences	367885	
Lymphoprep	Axis-Shield	114547	
RPMLI-1640 with L-Glutamine	Gibco	11835-030	
50mL conical flasks	Sarstedt	62.547.004	
15mL conical flasks	Sarstedt	62.554.002	
12-well Tissue culture plates	Falcon	10626491	
#1 Coverslips 10mm	Menzel Glaser	CS10100	
Glass slides	Menzel Glaser	631-0098	
Primary anti-human elastase	DAKO	DAKO rabbit 1373, contract immunization	
Secondary fluorophore conjugated goat anti-rabbit	Life technologies	A-11072, A-11070	
PROLONG-Gold Antifade reagent with DAPI	Life technologies	P36930	Mounting medium
Goat serum	Sigma-Aldrich	G9023	
Phorbol 12-myristate 13-acetate (PMA)	Sigma-Aldrich	79346	
Paraformaldehyde	Sigma-Aldrich	158127	
Triton X-100	Sigma-Aldrich	T8787	
Nikon Ti-E Epifluorescence microscope	Nikon		
CCD camera	Andor Zyla		
Plan Achromat 20x, 40x objectives	Nikon		
Windows 10	Microsoft		Operating system
macOS Sierra 10.12	Apple		Operating system
MATLAB	Mathworks		