

Materials List for:

CD4+ T-Lymphocyte Capture Using a Disposable Microfluidic Chip for HIV

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URL: <https://www.jove.com/video/315>

DOI: [doi:10.3791/315](https://doi.org/10.3791/315)

Materials

Name	Type	Company	Catalog Number	Comments
PDMS microchannel				Fabricated by SU-8 mold
Blood				Donated blood from normal human subject. Mass General Hospital, 10 X high density WBC or Brigham and Women's Hospital.
PBS	Buffer	Invitrogen	14190	1x Dulbecco's Phosphated Buffered Saline.
FACS lysing solution		BD Biosciences	349202	Diluted to 10% from stock solution with PBS.
Anti-CD4+ biotinlayted Ab		Beckman Coulter Inc.	IM0704	Surface prepared with Anti-CD4+ biotinlayted Ab, diluted to 10% from stock solution with PBS/BSA after mixing with 0.2mg stock and 1ml deionized water.
goat anti-hCD3delta	pAB	Santa Cruz Biotechnology, Inc.	sc-1128	Diluted to 10% from stock solution with PBS
rabbit anti-goat IgG PE		Santa Cruz Biotechnology, Inc.	sc-3755	Secondary Ab fro anti-CD3 Ab, diluted to 10% from stock solution with PBS
anti-human CD4+		BD Biosciences	557695	Alexa Fluor 488 labeled, diluted to 20% from stock solution with PBS.
DAPI		Invitrogen	D1306	4',6-dianidino-2-phenylindole, dihydrochloride solution, diluted to 0.2% from stock solution with PBS.