

Materials List for:

Characterizing Microbiome Dynamics – Flow Cytometry Based Workflows from Pure Cultures to Natural Communities

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Materials

Name	Company	Catalog Number	Comments
Milli-Q system Synthesis A10	Merck, Darmstadt, (GER)		
BioPak Ultrafiltration Cartridge	Merck, Darmstadt, (GER)	CDUF BI0 01	
MoFlo Legacy cell sorter	Beckman-Coulter, Brea, California (USA)		
Innova 90C	Coherent, Inc , Santa Clara (USA)		334 nm - 364 nm, 100 mW
Innova 70C	Coherent, Inc , Santa Clara (USA)		488 nm, 400 mW
Genesis MX488-500 STM OPS	Coherent, Inc , Santa Clara (USA)		488 nm, 400 mW
Xcyte CY-355-150	Lumentum, Milpitas, California, USA		355 nm, 150 mW
Photomultiplier tubes R928 and R3896	Hamamatsu Photonics, Hamamatsu City (Japan)		
Summit 4.3 software	Beckman-Coulter, Brea, California (USA)		
1 µm FluoSpheres	Molecular Probes, Eugene, Oregon (USA)	F8815	350/440 blue fluorescent
2 µm YG FluoSpheres	Molecular Probes, Eugene, Oregon (USA)	F-8827	505/515 yellow-green fluorescent beads
0.5 µm Fluoresbrite BB Carboxylate microspheres	PolyScience, Niles, Illinois (USA)	18339	360/407
1 µm Fluoresbrite BB Carboxylate microspheres	PolyScience, Niles, Illinois (USA)	17458	360/407 blue fluorescent
1 µm YG FluoSpheres	Molecular Probes, Eugene, Oregon (USA)	F-13081	505/515 yellow-green fluorescent beads
KH ₂ PO ₄	Sigma-Aldrich, St. Louis (USA)	CAS no. 7778-77-0	
KCl	Sigma-Aldrich, St. Louis (USA)	CAS no. 7447-40-7	
Cyflow Space	Sysmex Corporation, Kobe (Japan)		
UV Laser Genesis CX,	Coherent, Inc , Santa Clara (USA)		355 nm, 150 mW
H6779-32 series PMTs	Hamamatsu Photonics, Hamamatsu City (Japan)		
FloMax software	Sysmex Partec GmbH, Görlitz, (GER)		
all optical filters	Carl Zeiss, Jena (GER)		
KH ₂ PO ₄	Sigma-Aldrich, St. Louis (USA)	CAS no. 7778-77-0	
KCl	Carl Roth, Karlsruhe (GER)	6781.3	
FlowJo 10.0.8r1	FlowJo, LLC, Ashland, Oregon (USA)		Build number: 42398
R-software v.3.4.3	R Core Team		

flowCHIC	http://www.bioconductor.org/packages/release/bioc/html/flowCHIC.html		
flowCyBar	http://www.bioconductor.org/packages/devel/bioc/html/flowCyBar.html		