

Materials List for

Methylation Specific Multiplex Droplet PCR using Polymer Droplet Generator Device for Hematological Diagnostics

Lidija Malic¹, Abdelrahman Elmanzalawy¹, Jamal Daoud², Matthias Geissler¹, Alex Boutin¹, Ljuboje Lukic¹, Mojra Janta¹, Dillon Da Fonte¹, Christina Nassif¹, Teodor Veres¹

¹Life Sciences Division, National Research Council of Canada ²Galenvs Sciences, Inc.

Corresponding Author

Lidija Malic

Lidija.Malic@cnrc-nrc.gc.ca

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jove.com/video/61421

Materials

Name	Company	Catalog Number	Comments
Bio-Rad, Mississauga, ON	TFI0201	PCR tube	
RAN Biotechnologies, Beverly, MA	008-FluoroSurfactant	Fluoro-surfactant	
Silicon Quest International, Santa Clara, CA			
Oxford Instruments, Abingdon, UK		EMCCD camera	
Thermo Fisher Scientific, Waltham, MA	MA5-16728		
Thermo Fisher Scientific, Waltham, MA	22-8425-71		
CellProfiler		Used for fluorescence image analysis	
Nikon, Japan		10x objective	
American Type Culture Collection (ATCC), Manassas, VA	PCS-800-011		
Ramé-Hart Instrument Co. (Netcong, NJ)	p/n 200-U1		
Fisher, Canada			
Vitrocom, NJ, USA	5015 and 5010	Borosilicate capillary tube	
(http://definetherain.org.uk/)			
Hamamatsu, Japan	LC-L1V5	DEL UV light source	
Dolomite	3200063	Disposable fluidic tubing	
Dolomite	3200302	Disposable fluidic tubing	
IDT, Coralville, IA			
Nikon, Melville, NY		Upright light microscope	
Cytec Industries, Woodland Park, NJ			
EV Group, Schärding, Austria			
Zymo Research, Irvine, CA	D5030		
Photron, San Diego, CA			

IDT, Coralville, IA			
Gersteltec, Pully, Switzerland		SU-8 photoresist	
Fineline Imaging, Colorado Springs, CO			
Qiagen, Hilden, Germany	203603		
Image J		Used to assess droplet diameter	
Anachemia, Montreal, QC			
Excelitas, MA, USA		Broad-spectrum LED fluorescent lamp	
Galenvs Sciences Inc., Montreal, QC	DE1010		
Hexpol TPE, Åmål, Sweden		Thermoplastic elastomer (TPE)	
Thermo Fisher Scientific, Waltham, MA	13-400-518		
Nikon, Japan		Used for image acquisition	
3M, St Paul, MN		Carrier Oil	
Thermo Fisher Scientific, Waltham, MA	R37605	Blue fluorescent live cell stain (DAPI)	
IDEX Health & Science, Oak Harbor, WA	P-881	PEEK fittings	
Sigma-Aldrich, Oakville, ON	806552		
Dow Corning, Midland, MI			
ThinkyUSA, CA, USA	ARV 310		
Ihc world, Maryland, USA	IW-125-0		
Zinsser NA, Northridge, CA	2607808		
Cetoni GmbH, Korbussen, Germany			
Sigma-Aldrich, Oakville, ON	484431		
Bio-Rad, Mississauga, ON	1861096		
Hitachi High-Technologies, Mississauga, ON			
Nikon, Melville, NY		Inverted microscope	
Nikon, Japan			
Loctite	AA 352		