

Materials List for:

CometChip: A High-throughput 96-Well Platform for Measuring DNA Damage in Microarrayed Human Cells

Jing Ge^{*1}, Somsak Prasongtanakij^{*2}, David K. Wood³, David M. Weingeist¹, Jessica Fessler¹, Panida Navasumrit², Mathuros Ruchirawat², Bevin P. Engelward¹

¹Department of Biological Engineering, Massachusetts Institute of Technology

²Environmental Toxicology, Chulabhorn Graduate Institute

³Department of Biomedical Engineering, University of Minnesota

* These authors contributed equally

Correspondence to: Jing Ge at jing_ge@mit.edu

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Materials

Name	Company	Catalog Number	Comments
UltraPure LMP Agarose (low melting point)	Invitrogen	16520	Multiple suppliers
Dulbecco's phosphate buffered saline (PBS) 1x	Gibco by life technologies	14190	Multiple suppliers
Crystalline NaCl	Macron Chemicals	7581-06	Multiple suppliers
Crystalline Na ₂ EDTA	Macron Chemicals	4931-04	Multiple suppliers, Irritant
Crystalline Tris (base)	Sigma-Aldrich	T1503	Multiple suppliers, Irritant
Crystalline Tris (acid)	J.T.Baker	4106	Multiple suppliers
Crystalline <i>N</i> -lauroylsarcosine	Sigma-Aldrich	L9150	Multiple suppliers, Highly toxic by inhalation, Irritant
Triton X-100	Sigma-Aldrich	X100	Multiple suppliers, Harmful by ingestion., Irritant
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	D4540	Multiple suppliers, Combustible Liquid, Target Organ Effect
Crystalline NaOH	Macron Chemicals	7708-06	Multiple suppliers, Corrosive
Hydrochloric acid	VWR	BDH3871	Multiple suppliers, Corrosive
Crystalline boric acid	Sigma-Aldrich	B6768	Multiple suppliers, Target Organ Effect, Teratogen, Reproductive hazard
CometChip	Trevigen		Under development for distribution, contact Trevigen directly to obtain materials necessary
1-well dish	Thomas Scientific	73521-420	
Bottomless 96-well plate	VWR	655000-06	
1.5' binder clips	Staples		Multiple suppliers
Glass plate	Tag Hardware		Customized to size of 96-well plate
Owl Horizontal Electrophoresis System	VWR	27372-131	Multiple suppliers
PowerPac Basic Power Supply	Bio-Rad	164-5050	Multiple suppliers