

Materials List for:

# Microsatellite DNA Genotyping and Flow Cytometry Ploidy Analyses of Formalin-fixed Paraffin-embedded Hydatidiform Molar Tissues

Yassemine Khawajkie<sup>1</sup>, Nawel Mechtouf<sup>2</sup>, Phuong Nguyen<sup>2</sup>, Rima Slim<sup>1,2,3</sup>

<sup>1</sup>Department of Experimental Medicine, McGill University

<sup>2</sup>Department of Human Genetics, McGill University

<sup>3</sup>Department of Obstetrics and Gynecology, McGill University

Correspondence to: Rima Slim at [rima.slim@muhc.mcgill.ca](mailto:rima.slim@muhc.mcgill.ca)

URL: <https://www.jove.com/video/60366>

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## Materials

Name	Company	Catalog Number	Comments
BD FACS Canto II	BD BioSciences	338960	
Capillary electrophoresis instrument: Genomes Applied Biosystems 3730xl DNA Analyzer	Applied biosystems	313001R	Service offered by the Centre for Applied Genomics ( <a href="http://www.tcag.ca">http://www.tcag.ca</a> )
Citric acid	Sigma	251275	
Cytoseal 60, histopathology mounting medium	Fisher	23244257	
Eosin Y stock solution (1%)	Fisher	SE23-500D	
FCSalyzer - flow cytometry analysis software	SourceForge	-	<a href="https://sourceforge.net/projects/fcsalyzer/">https://sourceforge.net/projects/fcsalyzer/</a>
FFPE Qiagen kit	Qiagen	80234	
Forceps	Fine Science Tools	11295-51	For sectioning and for the cleaning process
Glacial Acetic Acid (Concentrated)	Sigma	A6283-500mL	
Glass coverslips: Cover Glass	Fisher	12-541a	
Hematoxylin	Fisher	CS401-1D	
Highly deionized formamide: Hi-Di Formamide	Thermofisher	4311320	
IHC platform: Benchmark Ultra	Roche	-	
Kimwipes	Ultident	30-34120	
Microtome	Leica	RM2135	
Microtome blades	Fisher	12-634-1C	
Nitex filtering mesh, 48 µm	Filmар	74011	<a href="http://www.filmар.qc.ca/index.php?file=produits&amp;id=51&amp;lang=en">http://www.filmар.qc.ca/index.php?file=produits&amp;id=51&amp;lang=en</a> ; any other filter is suitable, but this is an inexpensive and effective option from a non-research company
p57 antibody	Cell Marque	457M	
Pasteur pipette	VWR	53499-632	
PCR machine	Perkin Elmer, Applied Biosystems	GeneAmp PCR System 9700	
PeakScanner 1.0	Applied Biosystems	4381867	Software for genotyping analysis.
Pepsin from porcine gastric mucosa	Sigma	P7012	
Polystyrene round-bottom tubes	BD Falcon	352058	
Positively charged slides: Superfrost Plus 25x75mm	Fisher	1255015	

PowerPlex 16 HS System	Promega Corporation	DC2102	
Propidium Iodide	Sigma	P4864	
Ribonuclease A from bovine pancreas	Sigma	R4875	
Separation matrix: POP-7 Polymer	ThermoFisher	4352759	
UltraPure Agarose	Fisher	16500-500	
Xylene	Fisher	X3P1GAL	