

Materials List for:

Optimization of a Multiplex RNA-based Expression Assay Using Breast Cancer Archival Material

Shawn Baldacchino¹, Christian Saliba², Jeanesse Scerri³, Christian Scerri³, Godfrey Grech¹

¹Department of Pathology, Faculty of Medicine & Surgery, University of Malta

²Centre for Molecular Medicine and Biobanking, University of Malta

³Department of Physiology & Biochemistry, Faculty of Medicine and Surgery, University of Malta

Correspondence to: Godfrey Grech at godfrey.grech@um.edu.mt

URL: <https://www.jove.com/video/57148>

DOI: [doi:10.3791/57148](https://doi.org/10.3791/57148)

Materials

Name	Company	Catalog Number	Comments
Microtome	Leica	RM2235	
Heamatoxylin Mayer's	Sigma	MHS16-500mL	
Eosin Y Aqueous solution	Sigma	HT110216-500mL	
Normal Rabbit Serum	Monosan	MONX10963	Working dilution: 1/40
Biotinylated Rabbit anti-mouse	Dako	E0354	Working dilution: 1/200
ER antibody (6F11)	Vector Laboratories	VPE614	Working dilution: 1/45
HER2 antibody (CB11)	Novocastra	CB11-L-CE	Working dilution: 1/325
Ki67 antibody (MIB-1)	Dako	M7240	Working dilution: 1/500
Avidin Biotin Complex kit	Vector Laboratories	PK-6100	
Nikon Eclipse Ti-E Inverted microscope	Nikon	Ti-E	4x, 10x, 20x and 40x objectives
Laser Microdissection membranes	Molecular Machines & Industries	S0103	
mmi CellCamera 1.4	Molecular Machines & Industries	MX4285c-ACK07	
mmi Cellcut Plus	Molecular Machines & Industries		
Diffuser caps	Molecular Machines & Industries	50210	
mmi Celltools Software v.4.01rc1	Molecular Machines & Industries		
Eppendorf Thermomixer comfort	Eppendorf	5355000038	
1.5mL heating block for Eppendorf Thermomixer	Eppendorf	22670522	
96-well plate heating block for Eppendorf Thermomixer	Eppendorf	22670565	
Labnet Vortemp 56 Shaking incubator	Labnet	52056A-220	
LX200 100/200	Luminex		Magnetic bead analyser
Invitrogen QuantiGene Sample Processing Kit - FFPE Tissues	ThermoFisher Scientific	QS0109	
Invitrogen QuantiGene Plex 2.0 Assay Kit (Magnetic Separation)	ThermoFisher Scientific	QP1011	
Thermaseal RTS Sealing Film	Thermaseal	765246	
Hand-Held Magnetic Plate Washer	ThermoFisher Scientific	QP1011	
Invitrogen QuantiGene Incubator Temperature Validation Kit	Affymetrix/Panomics	QS0517	
Proteinase K (50µg/µL)	ThermoFisher Scientific	14622	
Invitrogen QuantiGene Plex 2.0 Sets	ThermoFisher Scientific	Various	

Multi Speed Vortex	Kisker Biotech	MSV-3500	
Sonicator	Silvercrest		
RNASEZAP	Sigma	R2020-250ML	
Aluminium 96-well plate seal	Sigma	Z721549-100EA	
Temperature Validation Kit	ThermoFisher Scientific	QS0517	
RapidMiner Studio Community 7.1.001	RapidMiner		Data Science Platform
Hybridisation oven	Hybaid (Thermo Scientific)		