

Materials List for:

# Detection of a *CDH1* Rare Transcript Variant in Fresh-frozen Gastric Cancer Tissues by Chip-based Digital PCR

Chiara Molinari<sup>1</sup>, Raefa Abou Khouzam<sup>2</sup>, Samanta Salvi<sup>1</sup>, Tania Rossi<sup>1</sup>, Guglielmina Nadia Ranzani<sup>2</sup>, Daniele Calistri<sup>1</sup>

<sup>1</sup>Biosciences Laboratory, Istituto Scientifico Romagnolo per lo Studio e la Cura dei Tumori (IRST) IRCCS

<sup>2</sup>Department of Biology and Biotechnology, University of Pavia

Correspondence to: Chiara Molinari at [chiara.molinari@irst.emr.it](mailto:chiara.molinari@irst.emr.it)

URL: <https://www.jove.com/video/57066>

DOI: [doi:10.3791/57066](https://doi.org/10.3791/57066)

## Materials

Name	Company	Catalog Number	Comments
TRlzol Reagent	Thermo Fisher Scientific	15596018	
Glycogen 20 mg/ml	ROCHE	10901393001	
RNeasy MinElute Cleanup kit	QIAGEN	74204	
iScript cDNA Synthesis kit	BioRad	1708891	
QuantStudio 3D Digital PCR Master Mix v2	Thermo Fisher Scientific	A26358	
CDH1a IDT custom designed assay	Integrated DNA Technologies (IDT)	NA	F) GCTGCAGTTTCACTTTTAGTG (R) ACTTTGAATCGGGTGTGAG (P)/FAM/ CGGTGACAAAGGACAGCCTATT/ TAMRA/ [dPCR optimized assay concentrations: 900 nM (F), 900 nM (R), 250 nM (P)]
QuantStudio 3D Digital PCR 20K Chip Kit v2	Thermo Fisher Scientific	A26316	
Heraeus Biofuge Fresco	Thermo Scientific	75002402	
Thermocycler (Labcycler)	Sensoquest	011-103	
GeneAmp PCR System 9700	Thermo Fisher Scientific	N805-0200	
Dual Flat Block Sample Module	Thermo Fisher Scientific	4425757	
QuantStudio 3D Tilt Base for Dual Flat Block GeneAmp PCR System 9700	Thermo Fisher Scientific	4486414	
QuantStudio 3D Digital PCR Chip Adapter Kit for Flat Block Thermal Cycler	Thermo Fisher Scientific	4485513	
QuantStudio 3D Digital PCR Chip Loader	Thermo Fisher Scientific	4482592	
QuantStudio 3D Digital PCR Instrument with power cord	Thermo Fisher Scientific	4489084	