

ML-Detect™ for digital PCR (FAM/HEX)

Ref: 10LU13

Methylation Detection Assay for Digital PCR - **Lung cancer**

For Research Use Only. Not for use in diagnostic procedures.

ML-Detect™ for digital PCR is an assay designed for the detection and quantification of tumor DNA in advanced lung cancer (stages III-IV) and has been validated in clinical studies*. The assay enables detection and quantification of circulating tumor DNA (ctDNA) from plasmas, without prior need to sequence the tumor. The assay may also be used for detection and quantification of tumor DNA extracted from tissue.

The assay is based on a proprietary molecular signature, targeting specific sequences which are hypermethylated in lung cancer, as well as the ALB gene as a reference, using DNA that has been subjected to bisulfite conversion procedure prior to analysis by digital PCR.

The kit contains a ready-to-use solution of primers and probes, as well as positive and negative controls. The reporter system is based on fluorescence from FAM and HEX-labelled probes, as such, the assay is compatible with digital PCR platforms equipped with 2 or more fluorescent detection channels.



Accuracy & High sensitivity



Fast turn-around time



Easy to use



Mirrors cancer heterogeneity



No tumor tissue needed



Compatible with existing dPCR instruments

For any technical questions regarding this assay, technical assistance is available at tech@clinisciences.com

**See publication list for additional information*

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Cat#	Description	Cond.
NB-45-00042-100	Super NI-NTA Agarose Resin	100ml
NB-45-00042-25	Super NI-NTA Agarose Resin	25ml
NB-45-00058-4	Proteus 1 -step Batch Mini Spin Column Pack	40pc
NB-12-6001-3	NeoLine pipette 2-20 µl	1unit
NB-12-0023C	Mini Centrifuge N500C @10,000rpm (Including 6x1.5/2.0ml angle rotor)	1pcs
NB-03-0160	Proteinase K (Powder)	100mg
NB-60-0001	NeoPrep mini	50columns
NB-12-8001-19	Combs for NeoPRO4 mini (1.5mm, 15 wells)	5pieces
NB-12-8001-20	Spacer glasses flat for NeoPRO4 mini (0.75mm, 100*83mm)	5pieces
NB-12-8001-04	Short glasses flat for NeoPRO4 mini (1.0mm, 100*73mm)	10pieces

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