METHYS DX

M*Detect kits for digital PCR

Ready-to-use kits for ctDNA quantification in advanced cancers

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

M*Detect kits for digital PCR

Methylation dysregulation in cancer has been described by many studies*, and is gaining momentum for detection and monitoring of cancer. **DNA methylation changes** may occur early in cancer development, are **stable** and **tumor-type specific**. These changes represent a highly pertinent tool for many applications including disease monitoring in liquid biopsies. These changes can be used for specific and highly sensitive detection of circulating tumor DNA (ctDNA), without the need for prior characterization of patient tumor tissue, for personalized cancer management,
DNA methylation signatures in ctDNA thus represent the markers of choice for non-invasive disease monitoring.

METHYS Dx cutting edge M*Detect kits are based on proprietary methylation signatures and can be used with existing digital PCR platforms to reveal methylation status.
METHYS Dx M*Detect kits can be used to analyze ctDNA of patients with advanced cancers (stages III-IV). Combined with digital PCR, the assays generate answers in less than a day.

M*Detect. Fast and easy-to-use digital PCR assays to meet the needs of your laboratory.

Accuracy & High sensitivity

Fast turn-around time

Easy to use

Mirrors cancer heterogeneity

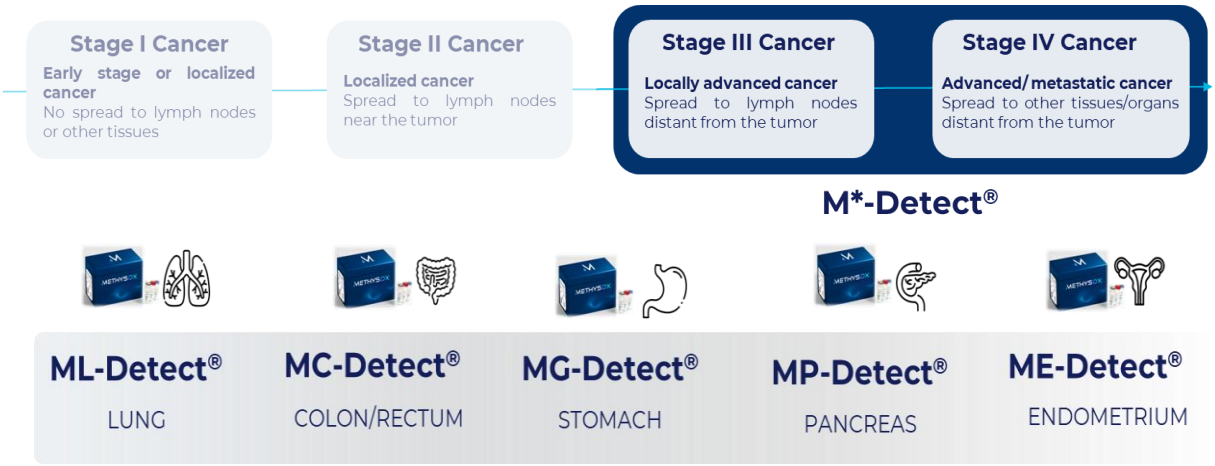
No tumor tissue needed

Compatible with existing dPCR instruments

** Please refer to list of publications for articles using M*Detect signatures*

Applications

M*Detect kits are available for 5 cancer types. The M*Detect signatures have been validated in several clinical studies for applications ranging from evaluation of response to treatment, to prediction of early recurrence.



>85% Sensitivity for tumor DNA detection
>95% Specificity (healthy plasma vs cancer plasma)

Benchmarked against highly sensitive NGS

Validated with prospective clinical studies for locally advanced or advanced cancer

Prognostication of cancer evolution

Prediction of response to treatment

Early evaluation of surgery and/or therapy efficacy

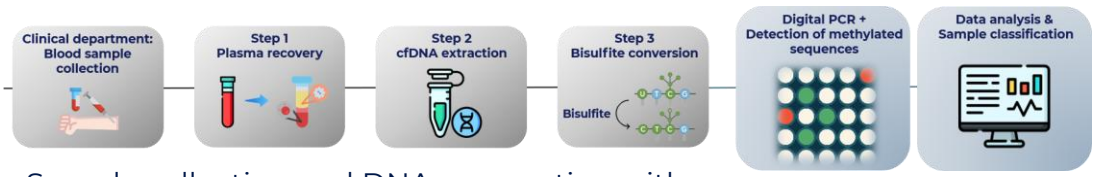
Prediction of early recurrence for stage II-III cancers

Reinforcement of the utility mutation detection tests *

* i.e. detection of false negative tests or pre-selection of samples

Protocol Overview

After collection of a blood sample, plasma fraction is recovered by centrifugation, prior to cell-free DNA extraction. After bisulfite conversion, DNA samples are ready to be analyzed using M*Detect kits.



Sample collection and DNA preparation with clinically validated protocols

M*Detect

Kit Contents

The M*Detect kits include:

- Ready-to-use assay mix of primers and probes
- dPCR Positive control for methylated sequences
- dPCR Negative control for unmethylated sequences

All assays contain primers and probes to detect a reference (unmethylated marker, ALB), as well as 2 cancer-specific hypermethylated sequences of genes of interest.

M*Detect kits are compatible for use on 2-7-color instruments. Ask our commercial team for further information on compatibility.

Ordering Information

Catalog #	Product	Application
10PA13	MP-Detect for digital PCR - (FAM/HEX)	Pancreatic cancer
10PA23	MP-Detect for digital PCR (FAM/HEX/ATTO647)	Pancreatic cancer
10LU13	ML-Detect for digital PCR (FAM/HEX)	Lung cancer
10LU23	ML-Detect for digital PCR (FAM/HEX/ATTO647)	Lung cancer
10CO13	MC-Detect for digital PCR (FAM/HEX)	Colon cancer
10CO23	MC-Detect for digital PCR (FAM/HEX/ATTO647)	Colon cancer
10EN13	ME-Detect for digital PCR (FAM/HEX)	Endometrial cancer
10EN23	ME-Detect for digital PCR (FAM/HEX/ATTO647)	Endometrial cancer
10GA13	MG-Detect for digital PCR (FAM/HEX)	Gastric cancer
10GA25	MG-Detect for digital PCR (FAM/HEX/ATTO647)	Gastric cancer

Need more information? Want to place an order? Please contact us!

Ordering order@methysdx.com
Technical support support@methysdx.com
Website www.methysdx.com

These products are intended for research use only and are not intended for diagnostic procedures.

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