

The **Idylla™ MSI Assay** is intended for the qualitative detection of a novel panel of **seven monomorphic homopolymer biomarkers** for identification of human cancers with microsatellite instability (MSI). The Idylla™ MSI Assay uses formalin-fixed, paraffin-embedded (FFPE) tissue sections from human cancer tissue, from which nucleic acids are liberated, PCR amplified and then analyzed by high-resolution melting detection. The Idylla™ MSI Assay automates the entire process from FFPE sample preparation to reporting of MSI status.



Features

Idylla™ MSI Biomarkers	
ACVR2A	2q22.3-q23.1
BTBD7	14q32.12
DIDO1	20q13.33
MRE11	11q21
RYR3	15q13.3-q14
SEC31A	4q21.22
SULF2	20q13.12
Sample Processing Control	The MSI specific software or TTP will automatically check the validity of the measured fluorescence profiles: presence of specific PCR amplicons will result in biomarker-specific fluorescence profiles, which eliminates the need for an additional sample processing control in the cartridge.
Specimen requirements	
Sample type	FFPE tissue sections (5-10 µm)
Neoplastic cells	≥20%, if less, macro dissection is required
Tissue area	50-600mm ² (5 µm) 25-300mm ² (10 µm)
Total turnaround time	
Time	150 minutes

Idylla™ MSI Posters & Abstracts

- De Craene B. et al. Idylla™ MSI in gastric samples. ESMO 2017 poster 697P
- Maertens G. et al. Idylla™ MSI in CRC. ESMO 2017 poster 138P
- De Craene B. et al. Detection of microsatellite instability (MSI) in colorectal cancer samples with a novel set of highly sensitive markers by means of the Idylla™ MSI Test prototype. Online ASCO Abstract #e15639
- Zhao et al. Association of a novel set of 7 homopolymer indels for detection of MSI with tumor mutation burden and total indel load in endometrial and colorectal cancers. Online ASCO Abstract #e15654

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