



MSI-H-U4 Reference Standard

CBP80002-8

I. Background

Microsatellite is a tandem repeat sequence in the human genome, generally between 1 and 6 bp, also known as short tandem repeats (STRs) or simple sequence repeats (SSRs).

Microsatellite instability (MSI) refers to the reduction or increase in the number of microsatellite repeats. The inherent mechanism of microsatellite instability is the disorder of the mismatch repair (MMR) system, which limits the ability to correct somatic mutations of spontaneous length changes of microsatellites. Somatic mutations accumulate and eventually form MSI.

Sample ID	Cat.No.	Background	Assay	Comments
M19-11060	CBP80002-8N	B lymphoblast, Female	PCR	Different individual
M20-5809	CBP80002-8T	Prostate carcinoma, Male	PCR	

II. General information

Name	MSI-H-U4 Reference Standard
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Cat. No.	CBP80002-8
Format	Genomic DNA
Size	(1ug+1ug)/set
Buffer	Tris-EDTA
Storage Conditions	2~8°C
Expiry	36 months from the date of manufacture

III. Detailed data

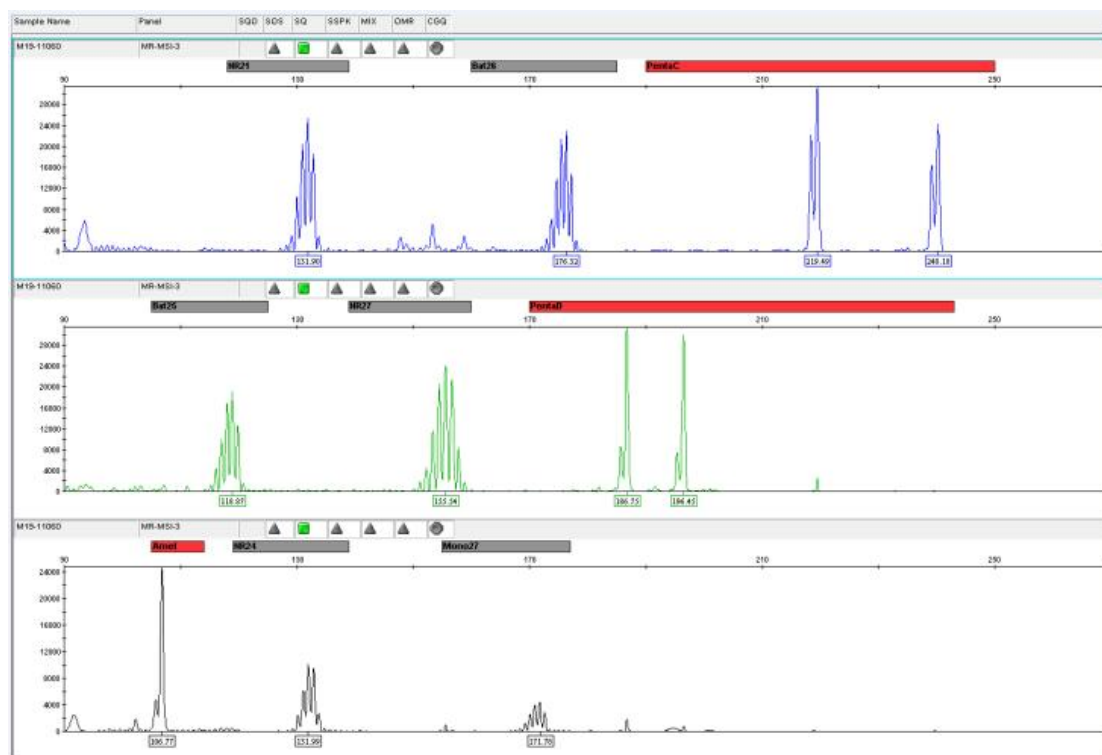
Detection:

Item	Results	Method	Percentage
MSI Status	MSI-H	NGS-Panel	90.38%

M19-11060			M20-5809		
Marker	Size 1	Size 2	Marker	Size 1	Size 2
NR21	131.9		NR21	127.27	
Bat26	176.32		Bat26	169.60	
Bat25	118.87		Bat25	112.33	116.07
NR27	155.54		NR27	149.24	155.50
NR24	131.99		NR24	132.59	
Mono27	171.78		Mono27	166.46	

IV. Atlas

M19-11060 Typing diagram:



M20-5809 Typing diagram:

