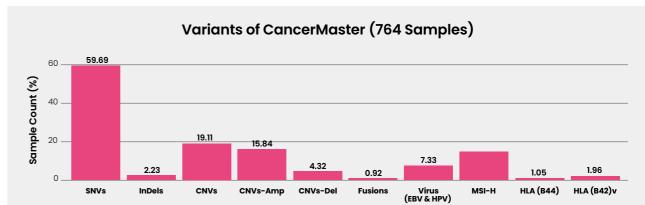




The probes are designed to include the intron regions as well as clinically significant biomarkers. By conducting extensive validation studies with clinical samples, the panel was examined to show its performance with high sensitivity and specificity in detecting the variants in cancer-associated genes.



ANALYSIS OF EBV & HPV

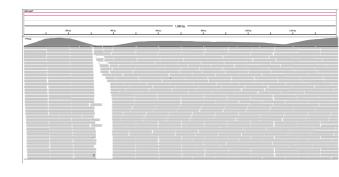
EBV(Epstein-Barr Virus)

- Related disease Lymphoma
- Genes EBV type 1 (EBNA-2)

HPV(Human Papillomavirus)

- Related disease Cervical cancer
- Genes HPV L1 gene (Analysis of a total of 24 types is possible)

Validation for detection of EBV type 1 (EBNA-2) in control specimens



Analysis of the following 11 types of HPV types was completed using clinical specimens

Human infection HPV list
Human papillomavirus type 178
Human papillomavirus type 136
Human papillomavirus type 140
Human papillomavirus type 154
Human papillomavirus type 156
Human papillomavirus type 179
Human papillomavirus type 201
Human papillomavirus type 49
Human papillomavirus type 9
Human papillomavirus type 92
Human papillomavirus type 96

*Gene Add-on Service: Genes can be added or removed by customer demand

GENE LIST

Somatic Cancer

DESCRIPTION

KEY FEATURES

associated genes

2. Extensive validation studies

SPECIFICATION

Gene count*

Target size

Mutation type

Sample type

Bioinformatics pipeline

Platform

Publication

Covered region

1. Comprehensive analysis of cancer

OncoRisk Panel	ABL1	ALK	PDGFRA	ROSI	FGFR2	FGFR3	NTRK1	NTRK2	NTRK3	FGFR1	MET	PPARG	RET
Officorisk Puller	AKT3	BRAF	BRCAI	EGFR	ERBB2								

CancerMaster Panel

The CancerMaster panel is designed to detect all variant types and the I-O markers, microsatellite instability (MSI) and tumor mutational burden (TMB), which are crucial biomarkers for cancer immunotherapy. For CNV analysis, different

Whole CDS, custom regions of oncogenes,

immune response genes, and EBV & HPV viruses

SNV, Indel, CNV, Rearrangment, TMB, MSI, EBV, HPV

All sequencers from Illumina, Thermo Fisher, MGI,

Primary, Secondary and Tertiary analysis result

PacBio, and Oxford Nanopore

(FASTQ to VCF, VCF to Clinical report)

FFPE, Fresh frozen tissue (> 50 ng of fragmented DNA)

and PD-1/PD-L1 Blockade Responses, Hepatology, 2021

A broad range of targeting elements including somatic variants, IO-

signatures (TMB, MSI), EBV and HPV, for clinical diagnoses of different

Robust panel performance supported by extensive validation tests

cancer types and precision medicine

with Reference and clinical specimens

Molecular Characterization of Biliary Tract Cancer Predicts Chemotherapy

cut-off is applied according to the ratio of cancer cells. The panel is also designed to detect Epstein-Barr virus (EBV)

and Human Papillomaviruses (HPV) allowing for comprehensive analysis of cancer associated genes.

524 genes

2.5 Mb

PACKAGE COMPOSITION

Package name	Compositions					
Target Enrichment	Target capture Probe		-			
Standard	Target Enrichment	Library prep Kit	-			
All-In-One	reagents		Beads / Polymerase			

Package option	Options				
Pooling method	Single Reaction	Pre-capture Pooling			
Library Preparation kits	Standard Kit	EP-kit			
Hybridization Enhancer	Included	Not included			