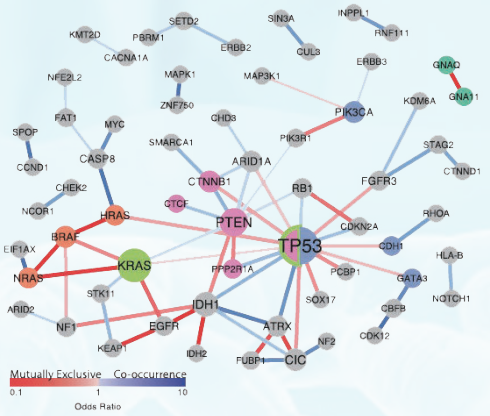
SpaceGen 飞翔生物 | 飞翔医学 SPACESEQ | 翔宇医学 SPACESEQ

Human Pan-Cancer Drive Gene Mutations Detection Kit (Next Generation Sequencing)

GENE MUTATION AND TUMOR

Pan cancer driver gene mutation detection panel aims at the companion diagnostic genes approved by FDA and recommended by NCCN guidelines, covering 56 genes related to cancer treatment and prognosis, including 3000 cosmic mutation sites, so as to realize low-cost, high sensitivity and high-throughput gene detection of tumor tissue and circulating free DNA of cancer patients.

Cancer is a complex polygenic disease caused by the gradual accumulation of gene mutations. When the genes regulating cell growth are mutated or damaged, the cells lose control and proliferate and differentiate disorderly and infinitely, leading to the occurrence of malignant tumors.



Cell. 2018 Apr 5;173(2):305-320.e10.

Tumor precise diagnosis and treatment products provide important reference basis for precise drug treatment, molecular typing and efficacy evaluation by accurately analyzing the unique gene mutation information of each tumor patient.

About NCI-MATCH

NCI-MATCH, also known as MATCH, is a precision medicine cancer treatment clinical trial. In this trial, people with cancer are assigned to receive treatment based on the genetic changes found in their tumors through genomic sequencing and other tests. Genomic sequencing is a laboratory method that is used to determine the genetic makeup of cancer cells. People whose tumors have genetic changes that match one of the treatments in the trial may receive that treatment if they meet other eligibility criteria. The trial seeks to determine whether treating cancer based on these specific genetic changes is effective, no matter the cancer type.

DETECTED GENES

Gene Mutation	EGFR	KRAS	BRAF	PIK3CA	HER2	MET	RB1	ALK
	ERBB4	HNF1A	MPL	SMAD4	ATM	FBXW7	IDH1	SMO
	CDH1	FGFR2	JAK3	NRAS	STK11	CSF1R	FLT3	KDR
	TP53	ABL1	GNAS	PTPN11	AKT1	GNAQ	MLH1	RET
	APC	EZH2	HRAS	NOTCH1	SMARCB1	FGFR1	JAK2	NPM1
	SRC	CDKN2A	FGFR3	IDH2	PDGFRA	CTNNB1	GNA11	KIT
	PTEN	VHL						
Gene Fusion	ALK	ROS1	RET	NTRK1	NTRK2	NTRK3		
Gene Amplification	HER2	MET						

Note: HER2 and MET include copy number variation detection.

PRODUCT INFORMATION

Product Name	Core Technology	Pack Size	Instruments Validated	Sample Type
Human Pan-Cancer Drive Gene Mutations Detection Kit	RingCap®	16Tests/Kit 32Tests/Kit	Ion Torrent Illumina MGISEQ	Tumor tissue samples Peripheral blood Pleural effusion

DETECTION SIGNIFICANCE

Personalized Medication: Before using targeted drugs for malignant tumor patients, gene testing can be carried out to assist clinicians in judging the sensitivity of patients to drugs and evaluating the prognosis of patients.

FEATURES & ADVANTAGES

Ease of Use: With patented RingCap® technology, Library preparation in 2 steps.

Fast Results: The library preparation takes only 3.5 hours.

High Sensitivity: The sensitivity can reach up to 1%.

Comprehensive Coverage: 3000 kinds of cosmic mutation sites can be detected at one time.

DETECTION PROCESS

T e l : +86-592-7578317
Email: spacegen@ispacegen.com
www.sspacegen.com
XIAMEN SPACEGEN CO.,LTD
XIAMEN SPACESEQ MEDLAB CO.,LTD
A d d : NO.2041,XizhouRoad,Xike Town, Tong'an District,Xiamen City, Fujian Province, China
SUZHOU SPACESEQ MEDLAB CO.,LTD
4th Floor, Building 1, No. 777 Kangyuan Road, Chengyang Street, Suzhou City 213000

CE IVD