

Rainbow Wellness Cancer Test

Screen 20 Cancers



Rainbow Wellness Cancer™ Test

Simultaneous Screening for 20 Cancers

Using 118 Cancer Genes Co-developed with Baylor Genetics

Introduction

Cancer genetic predisposition is genetic variation typically inherited from a patient's parent, and it increases the likelihood of developing a cancer. Certain mutations can greatly increase the risk of developing cancers while others may have much smaller effects. For example, mutations in cancer predisposition genes are associated with 3% to 5% of breast and colorectal cancers, and as much as 15% of ovarian cancer.

Baylor Genetics

This test was developed in collaboration with Baylor Genetics, the genetic laboratory associated with Baylor College of Medicine. Baylor is one of the oldest and largest genetic testing and medical institutions in the U.S., and is a leader in cancer screening and diagnosis.

Test Description

The Rainbow Wellness Cancer test screens for genetic variations in 118 genes, covering 20 types of cancers, including breast, ovarian, lung, colorectal, prostate, gastric and pancreatic cancers. This is a multi-cancer screening test designed for healthy individuals without cancer symptoms or family histories.

Cancer Types Covered

Breast	Ovarian	Colorectal	Lung	Prostate
Uterine	Gastric	Pancreatic	Thyroid	Central & Peripheral Nervous System Cancers
Melanoma	Renal	Urinary Track	Paraganglioma	Pheochromocytoma
Brain	Sarcoma	Neuroendocrine	Leukemia	Myelodysplastic Syndrome

How It Works

The process starts with a physician office visit at a Rainbow-authorized clinic. The clinician will order the test for the patient. Your DNA sample will be sequenced at a CAP-accredited or CLIA-certified laboratory. Data will be analyzed and clinically interpreted under ACMG guidelines by Baylor Genetics, and a physician report will

be issued by a Baylor Genetics board-certified medical director.

- ▶ Patient data privacy – Rainbow follows the US Health Insurance Portability and Accountability Act (HIPAA) privacy rules, established to protect the confidentiality of patients' individually identifiable health information.



Genetic Counseling for Patients

Rainbow Genomics provides a variety of bilingual-genetic counseling services to our patients, in Mandarin, Cantonese, Japanese and English. Included with our tests, Baylor College Of Medicine's (BCM) Consultagene program delivers email-, phone- or live-video-conferencing-based genetic counseling to each patient. U.S.-certified genetic counselors from BCM will provide the services to ensure high quality and effective patient support.

Physician Consultation

Rainbow Genomics also delivers two levels of support for ordering physicians to enhance their ability to provide the best care to their patients. Baylor Genetics' certified genetic counselors will provide email-based consultation to physicians. For clinicians who desire in-depth discussions of a patient's case, BCM Consultagene program provides a peer-to-peer consultation, an one-hour, live-video conferencing session delivered directly by Baylor's physicians. The ordering physician, their collaborators and associated health care providers are all welcome to participate.

Is the Rainbow Wellness Cancer Test Right for You?

- ▶ The Rainbow Wellness Cancer test is designed for healthy individuals who would like to understand their future risk of developing hereditary cancers.
- ▶ If you already have cancer symptoms or a family history that suggests an inherited cancer risk condition, or you have several close relatives with the same type of cancer, you should consult with your physician to order the Rainbow High-Risk Cancer test, which is designed as a diagnostic test based on your symptoms and family history.



Specific for Asians

Rainbow Genomics also partners with the Genome Medicine Centers at Saitama and Juntendo Medical Universities, Japan, to provide double clinical interpretation for Asian patients including Chinese and Japanese. Specifically, test results with unusual Asian genetic variations may be further analyzed by their bioinformatics and clinical teams to assure highly-accurate test report is delivered for every patient.



Gene List - Screening for 20 Cancers

AIP	CEP57	FANCF	MSH6	RET	SMARCA4
ALK	CHEK2	FANCG	MUTYH	RHBDF2	SMARCB1
APC	CYLD	FANCI	NBN	RPL11	SMARCE1
ATM	DDB2	FANCL	NF1	RPL26	STK11
AXIN2	DICER1	FANCM	NF2	RPL35A	SUFU
BAP1	DIS3L2	FH	NHP2	RPL5	TERC
BARD1	DKC1	FLCN	NOP10	RPS10	TERT
BLM	EGFR	GATA2	PALB2	RPS19	TINF2
BMPR1A	ERCC2	GPC3	PDGFRA	RPS24	TMEM127
BRCA1	ERCC3	HNF1A	PHOX2B	RPS26	TP53
BRCA2	ERCC4	HOXB13	POLD1	RPS7	TSC1
BRIP1	ERCC5	HRAS	POLE	RUNX1	TSC2
BUB1B	EXT1	KIT	PRKAR1A	SBDS	VHL
CDC73	EXT2	LZTR1	PTCH1	SDHAF2	WAS
CDH1	EZH2	MAX	PTCH2	SDHB	WRN
CDK4	FANCA	MEN1	PTEN	SDHC	WT1
CDKN1B	FANCB	MET	RAD51C	SDHD	XPA
CDKN1C	FANCC	MLH1	RAD51D	SLX4	XPC
CDKN2A	FANCD2	MRE11A	RB1	SMAD4	XRCC2
CEBPA	FANCE	MSH2	RECQL4		

About Rainbow Genomics

Rainbow Genomics is a Hong Kong- and US-based genomics health company providing genetic tests, personalized risk assessment and health management programs for Asian patients. Our diagnostic tests, clinical interpretation and physician reporting are developed specifically for Asian patients based on their specific genetics.

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