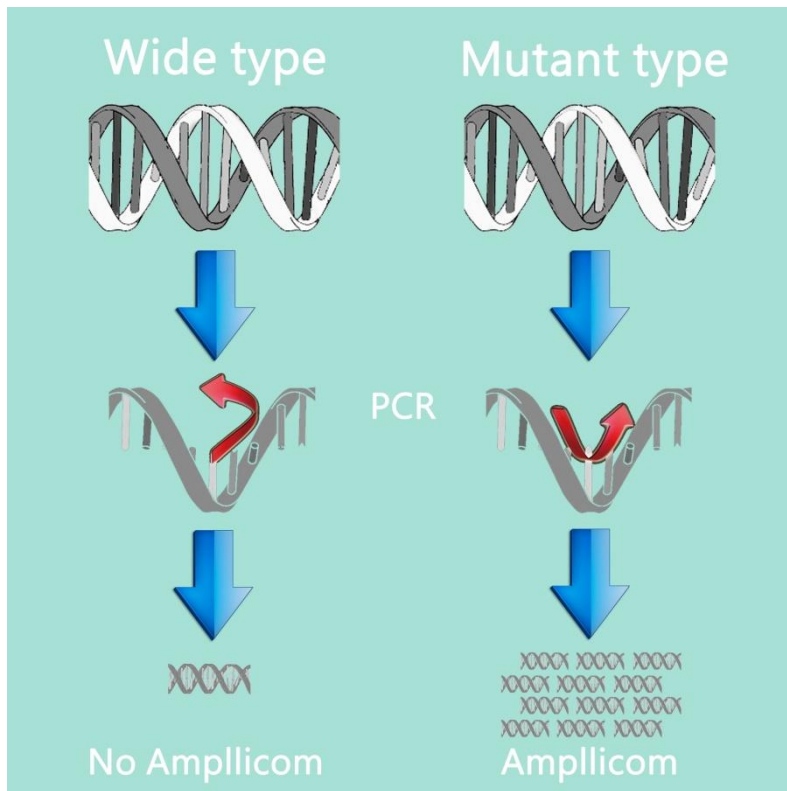


FemtoPath™ EGFR Mutation Screen Kit



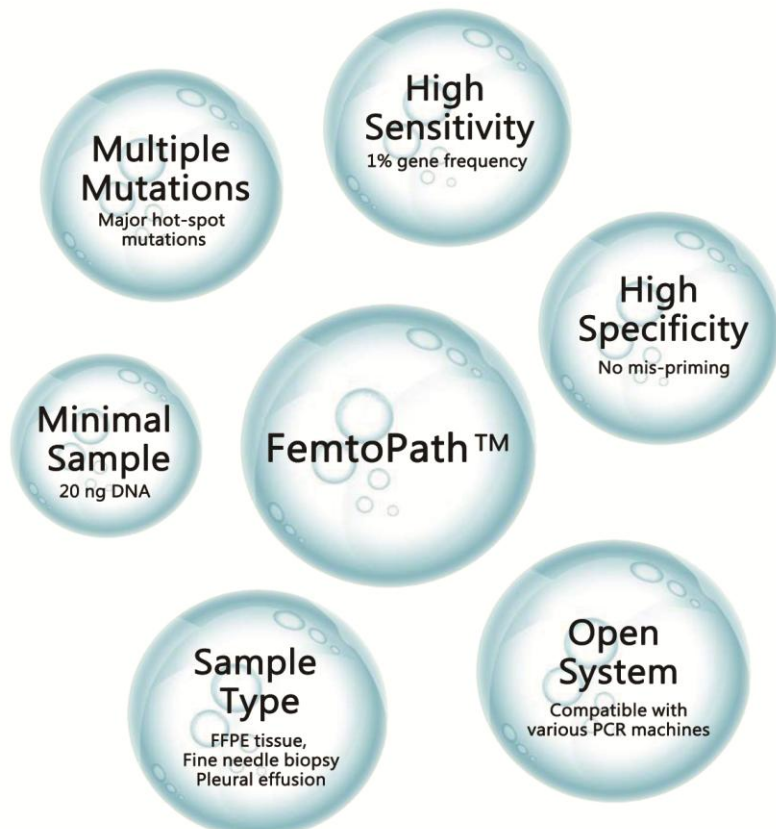
FemtoPath™



FemtoPath™ EGFR Mutation Screen Kit is a PCR-based test using novel and proprietary primers which can specifically and sensitively amplify somatic mutations in the EGFR gene and suppress the amplification of wild-type EGFR gene in human genomic DNA

FemtoPath™ EGFR Mutation Screen Test is a highly sensitive and accurate test enables the detection of less than 1% mutated genes mixed with wild-type DNA for an amount as little as 20~100 ng.

Why FemtoPath™ EGFR Mutation Screen Kit



Minimal Sample

Small amount of DNA required (20~100 ng)

Various Compatible Samples

Formalin-fixed paraffin embedded tissue, Fine needle biopsy, Pleural effusion specimens

Multiple Mutations

Hotspot mutation analysis of EGFR gene

High Sensitivity

Detect at least 1% mutant content

High Specificity

No mis-priming and no mutation of interest encoded

Open System

Compatible with various PCR machine

FemtoPath™ EGFR Mutation Screen Kit Workflow

Sample Preparation

- DNA Extraction
- DNA Quantification

PCR Preparation

- PCR
- Gel Electrophoresis

Data Analysis

- DNA Sequencing
- Data Analysis

FemtoPath™ Kit Components

EGFR Mutation Screen Kit

Cat No.	Product Description
FP-EGFR-001-0020	20 tests/kit
FP-EGFR-001-0050	50 tests/kit

EGFR Mutation Primer Sets

Cat No.	Product Description
FP-EPM18	Exon 18 Primer Mix
FP-EPM19	Exon 19 Primer Mix
FP-EPM20	Exon 20 Primer Mix
FP-EPM21	Exon 21 Primer Mix
FP-EPMT	Exon 20 T790 Primer Mix

EGFR Sequencing Primer Sets

Cat No.	Product Description
FP-EPS18	Exon 18 Sequencing Primer
FP-EPS19	Exon 19 Sequencing Primer
FP-EPS20	Exon 20 Sequencing Primer
FP-EPS21	Exon 21 Sequencing Primer
FP-EPST	Exon 20 T790 Sequencing Primer

DNA Quality Control Primer

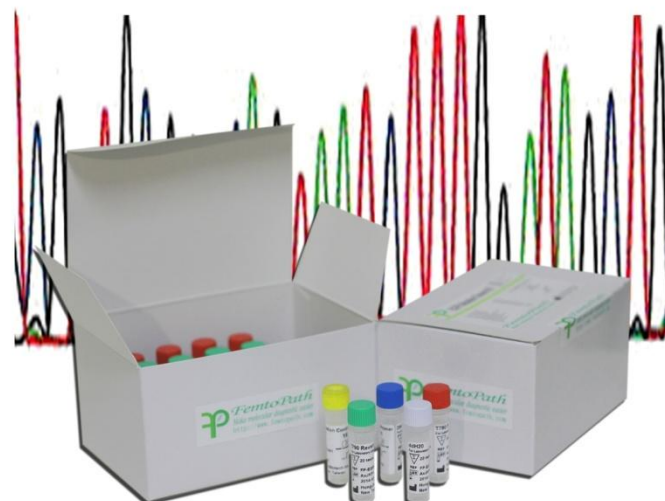
Cat No.	Product Description
FP-EPDQC	DNA Quality Control Primer

EGFR Plasmid Control

Cat No.	Product Description
FP-EP19WPC	Wild-type Exon 19 Plasmid
FP-EP20WPC	Wild-type Exon 20 Plasmid
FP-EP21WPC	Wild-type Exon 21 Plasmid
FP-EP19MPC	Mutation Exon 19 Plasmid

EGFR Cell Line Control

Cat No.	Product Description
FP-EPWCC	Wild-type cell line
FP-EP19MCC	Exon 19 deletion cell
FP-EP21MCC	Exon 21 L858 mutation cell



Comparison of EGFR mutation kits

Company	FemtoPath	R brand	Q brand	P brand	A brand
Amplify	CloDiA-PCR	AS-PCR	ARMS	PNA	ADx-ARMS
Detection	Sanger sequencing	TaqMan probe	Scorpion	SYBR Green	FAM, HEX/VIC
Target exons	Exon 18, 19, 20, 21 5 primer sets 5 rxn	Exon 19, 20, 21 41 probe 7 rxn	Exon 18, 19, 20, 21 29 probe 7 rxn	Exon 18, 19, 20, 21 41 probe 7 rxn	Exon 18, 19, 20, 21 29 probe 8 rxn
DNA needed	20-100ng	50ng	20ng	20-50ng	2~15ng
Sensitivity	0.1-1%	5%	1%	1%	1%
System	Open (PCR)	Close (Real-time PCR)	Close (Real-time PCR)	Open (Real-time PCR)	Open (Real-time PCR)

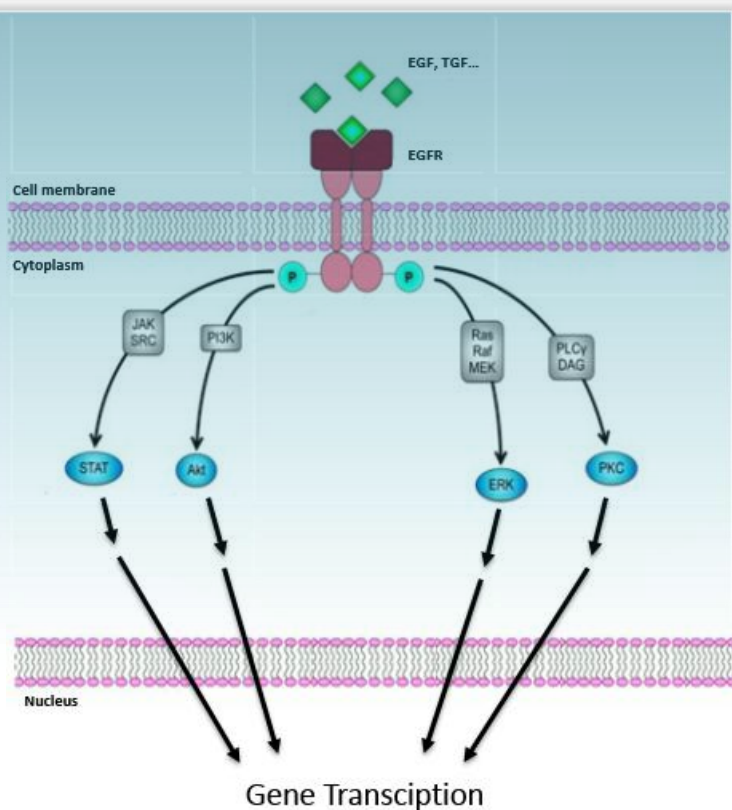
FemtoPath™ Mutation Screen Kit for RAS, RAF, JAK2, PI3K...

FemtoPath™ RAS Mutation Kit

FemtoPath™ RAF Mutation Kit

FemtoPath™ JAK2 Mutation Kit

FemtoPath™ PI3K Mutation Kit



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FemtoPath
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