

Oncology Gene Mutation Diagnostic Kits

PCR-Fluorescence (ARMS-PCR) · FFPE Tumor DNA · 5 Gene Targets · 24 tests/kit each

5

Gene Kits

50+

Mutations

1%

Sensitivity

90'

Turn-around

BiMOIDs offers a comprehensive range of **PCR-based oncology mutation detection kits** covering the most clinically relevant oncogenes. Each kit is designed to detect key somatic mutations from FFPE tumor tissue DNA, enabling **targeted therapy selection**, **treatment response prediction** and **personalised medicine** decisions across multiple cancer types.

OUR GENE MUTATION DETECTION KITS

BRAF	EGFR	NRAS	KRAS	PIK3CA
V600E Primary+Supplementary Mutations	11 Mutations—Exons18, 19, 20 & 21	9 Mutations—Exons2, 3 & 4	7 Primary+5Supplementary Mutations	5 Mutations—Exons9& 20
4 Mutations	29 Mutations	9 Mutations	7+5 Mutations	5 Mutations
Ex15	18-21	2,3,4	2,3,4	9,20
KEY MUTATIONS V600E V600K V600R V600D	KEY MUTATIONS L858R T790M 19DEL G719X L861Q	KEY MUTATIONS G12D G13D Q61R A59D A146T	KEY MUTATIONS G12C G12D G12V G13D Q61H	KEY MUTATIONS H1047R E545K E542K H1047L E545D
Cancers: Melanoma, CRC, Papillary Thyroid	Cancers: NSCLC, Lung Adenocarcinoma	Cancers: Melanoma, Colorectal Cancer	Cancers: CRC, Pancreatic, Lung	Cancers: Breast, CRC, Lung
Drugs: Dabrafenib, Vemurafenib	Drugs: Gefitinib, Osimertinib, Afatinib	Drugs: Cetuximab, Panitumumab	Drugs: Cetuximab, Panitumumab	Drugs: Trastuzumab, Cetuximab
BMD/ONC-BRAF RUO · 24T	BMD/ONC-01-24 RUO · 24T	BMD/ONC-02-24 RUO · 24T	BMD/ONC-02-24 RUO · 24T	BMD/ONC-05-24 RUO · 24T

SHARED PLATFORM FEATURES

 1% Sensitivity Detects 1% mutant allele from 10 ng wild-type DNA input	 ARMS-PCR Technology High specificity amplification refractory mutation system	 Closed-tube Accuracy Internal standard + UNG enzyme eliminates false results	 90-min Turnaround Fast, easy operation suitable for routine clinical workflows
---	---	--	--

WHY CHOOSE BIOMOLDS ONCOLOGY KITS?

- ✓ All kits use standardised FFPE tumor DNA input
- ✓ Validated across multiple cancer types
- ✓ Guides anti-EGFR, TKI & targeted therapy decisions
- ✓ Comprehensive 5-gene panel covering MAPK & PI3K pathways
- ✓ RUO format — 24 tests per kit
- ✓ PCR-fluorescence platform — no specialist equipment needed



CANCER TYPES COVERED

Colorectal KRAS · NRAS BRAF · PIK3CA	Lung Cancer EGFR · KRAS PIK3CA · BRAF	Melanoma BRAF · NRAS	Breast Cancer PIK3CA	Pancreatic KRAS	Thyroid BRAF · EGFR
---	--	--------------------------------	--------------------------------	---------------------------	-------------------------------