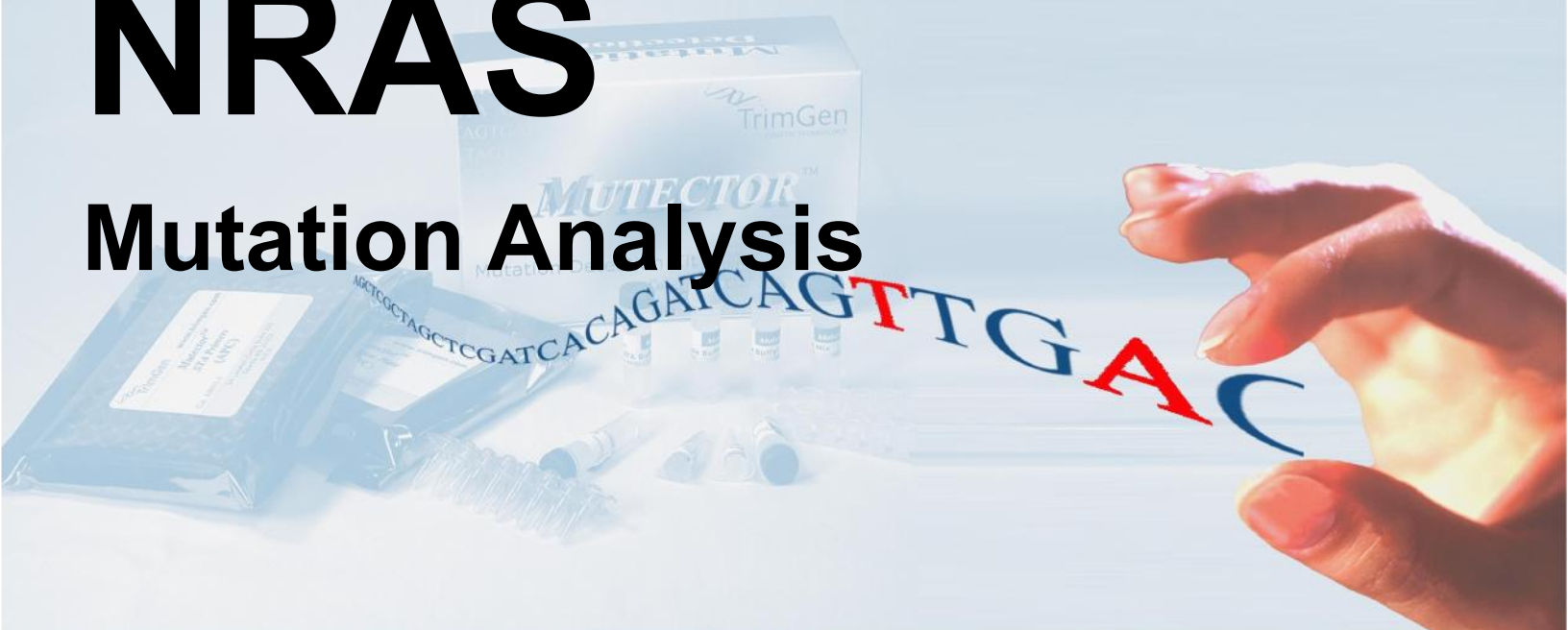


Mutector™ Reagents



NRAS

Mutation Analysis



Multiplex

Sequencing accuracy
PCR sensitivity
Single tube tests more mutations

Target Mutations

Codon 12

G12A GGT > GCT
G12C GGT > TGT
G12D GGT > GAT
G12R GGT > CGT
G12S GGT > AGT
G12V GGT > GTT

Codon 13

G13A GGT > GCT
G13C GGT > TGT
G13D GGT > GAT
G13R GGT > CGT
G13S GGT > AGT
G13V GGT > GTT

Codon 61

Q61K CAA > AAA
Q61L CAA > CTA

Q61P CAA > CCA
Q61R CAA > CGA

About 15–25% of cutaneous melanomas have NRAS mutations; most of these mutations are missense mutations at codons 12, 13, or 61. Analysis of NRAS mutations has been used to categorize the types of melanomas and optimize the targeted therapy of melanomas, for example, the mutant NRAS melanoma cells are more sensitive to the pharmacologic c-Met inhibitors than those with BRAF mutations.



FEATURES

Combined Advantages of PCR & Sequencing

- PCR sensitivity
- Sequencing accuracy

Multiplex Detection

- Single tube detects 5-6 mutations simultaneously
- Use less DNA and test more mutations

Simple Protocol, Same Day Results

- Different mutations can be tested in a same run
- Have results in 3-4 hours

Clear-cut Results

- DNA quality control in each tube
- Test performance control in each tube
- Mutation peak defined by color & size

50% off
Validation
Kit

ORDER INFORMATION

Cat. No.	Product Name	Size
GP18	Mutector™ NRAS Codon 12 & 13 Mutation Detection Kit	32 rxn
GP19	Mutector™ NRAS Codon 61 Mutation Detection Kit	32 rxn

For research use only, not for use in diagnostic procedures

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