

AmoyDx® KNBM PCR Panel

Co-Detection of RAS, BRAF, and MSI – Key Biomarkers in Colorectal Cancer (CRC)

High-Sensitivity CRC Biomarker Testing: Multiplex, Rapid, and Automated



High Sensitivity

Detects mutations as low as 1% variant allele frequency (VAF).



Optimized KRAS Genotyping

Covers G12A/C/D/R/S/V & G13D Variants.



Multiplex Detection

Tests KRAS, NRAS, BRAF mutations and MSI status in one assay.



Fast Turnaround

Results in 6 hours with robust quality controls.



Comprehensive Coverage

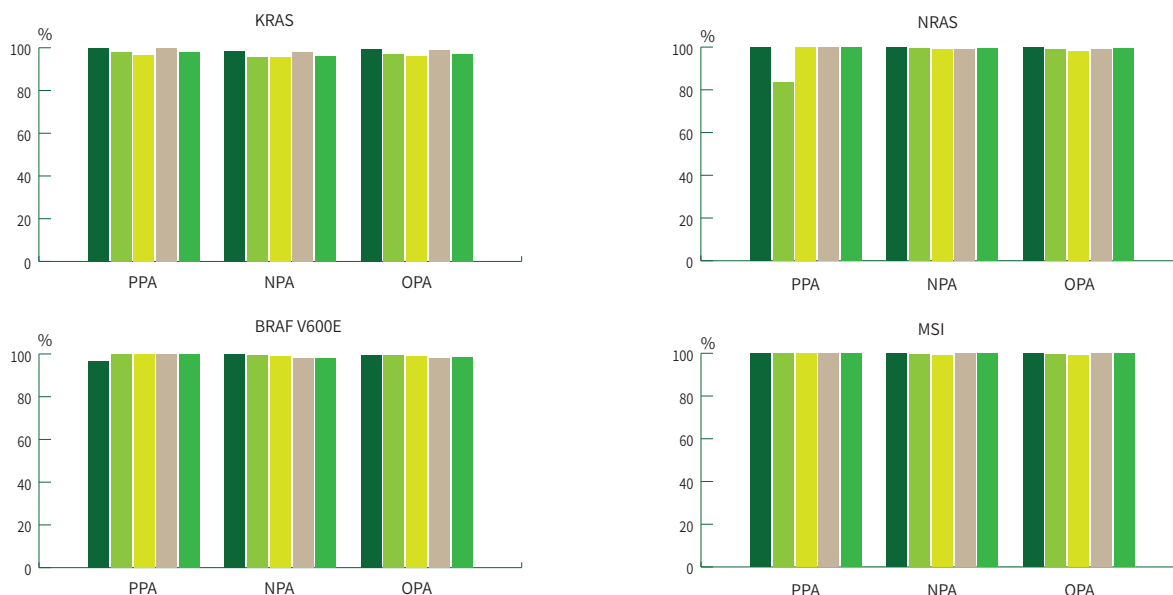
Includes 58 SNVs across KRAS/NRAS/BRAF and MSI analysis, with >99% coverage.



Streamlined Workflow

Pre-loaded format with automated result interpretation.

AmoyDx KNBM Achieves >95% Concordance with NGS Platform



Bar chart from left to right (cases in different hospitals): 228 cases, 204 cases; 105 cases; 100 cases; 202 cases; total 839 cases.

High concordance rates with NGS for various markers, with an overall concordance rate of over 95%.

No significant change at inter-hospital OPAs level, which indicates that the panel can be reliably detected under different laboratory conditions.

Comprehensive Clinical Utility - Empowering Precision CRC Management

Guiding Targeted Therapy

RAS Mutations: Identifies patients unlikely to benefit from anti-EGFR therapies.

BRAF Mutations: Detects patients eligible for BRAF inhibitors combined with anti-EGFR antibodies.

Identifying Immunotherapy Candidates

MSI-High (MSI-H): Marks patients likely to respond to immune checkpoint inhibitors.

Lynch Syndrome Screening

MSI-H: Identifies patients who may have Lynch Syndrome, prompting further genetic testing for confirmation and family screening.

Assessing Prognosis

RAS and BRAF Mutations:

Associated with worse outcomes; aids in predicting disease severity.

MSI-H: Indicates better prognosis in early-stage CRC but may reduce response to standard chemotherapy.

Turnaround Time from Sample to Report within 6 hours



3 hours
DNA Extraction



10 mins
PCR Setup



2 hours
Real-Time PCR Run



1-2 mins
Automated Data Analysis

Ordering Information

Catalog Number	8.01.0311 (LightCycler480 II, cobas z 480) 8.01.0312 (SLAN-96S)
Kit Format	12 tests / kit

For Research Use Only. Not for use in diagnostic procedures.

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