

# 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

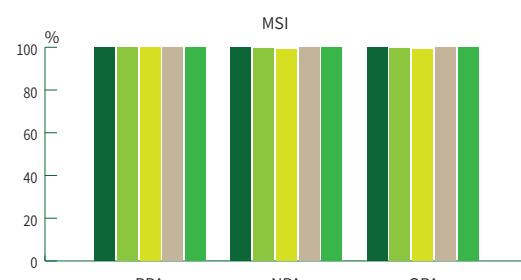
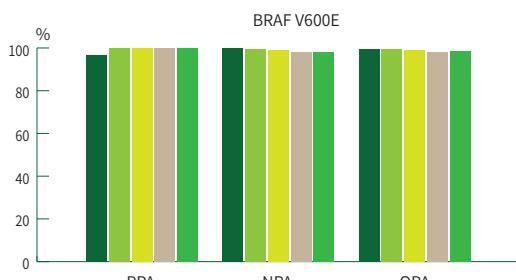
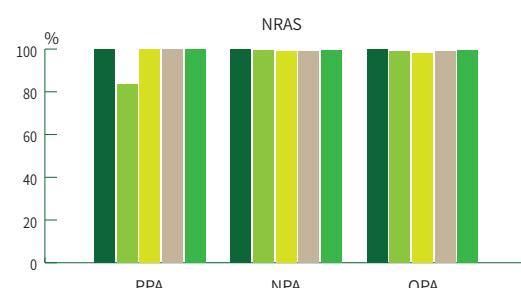
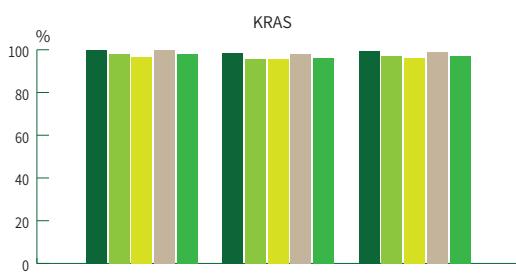
Includes 58 SNVs across KRAS/NRAS/BRAF and MSI analysis, with >99% coverage.



### 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.

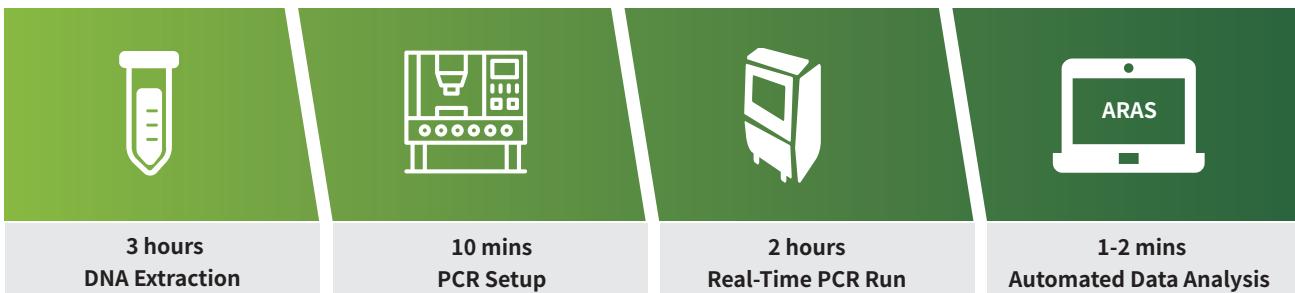
### Lynch Syndrome Screening

**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



## 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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