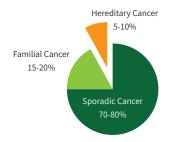
AmoyDx® HANDLE Hereditary Cancer NGS Panel

Why Hereditary Cancer Testing Matters?



Approximately 5–10% of all cancers are caused by inherited mutations in cancer predisposition genes. ^[1] Multigene panel testing detects more hereditary cases than syndrome-specific approaches. ^[2]

Clinical guidelines [3,4] recommend germline testing for individuals with personal or family histories of breast, ovarian, colorectal, endometrial, or related cancers.

Comprehensive Hereditary Cancer Testing in One Integrated Workflow



Comprehensive Gene Coverage

- 150 cancer predisposition genes analyzed
- Detection of SNVs/InDels across all genes + CNVs in 8 key genes



Broad Scope of Utility

- Identifies all major hereditary cancer syndromes, including: Hereditary Breast and Ovarian Cancer, Lynch Syndrome, Li-Fraumeni Syndrome, PTEN Hamartoma Tumor, Syndrome (PHTS), and other high-risk genetic disorders
- One test evaluates hereditary risks for pan-cancer types



Automated Reporting with Actionable Insights

Automated Reports delivering actionable insights for tailored surveillance and prevention

- Hereditary cancer syndrome linked to each result
- Cancer types with elevated risk
- Curated interpretation of key variants



Fast and Streamlined Workflow

- Proprietary HANDLE technology with one-tube workflow
- <1 hour hands-on time, <5 hours total library preparation

Addressing Key Gaps in Hereditary Cancer Research

The AmoyDx® HANDLE Hereditary Cancer Panel overcomes the limits of broad or narrow testing approaches:

AmoyDx Panel Vs. Whole Exome Sequencing

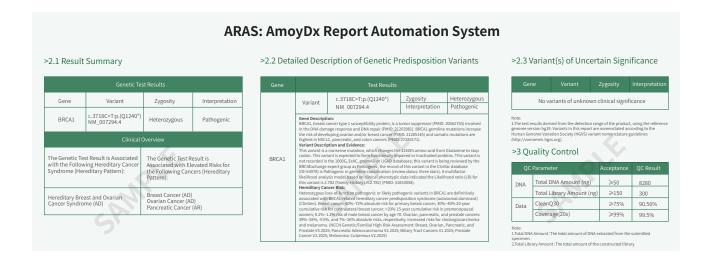
- Focuses only on hereditary cancer genes, avoiding irrelevant data
- · More affordable and efficient for cancer research
- · Easier to interpret, accelerating variant analysis

AmoyDx Panel Vs. Small Gene Panels

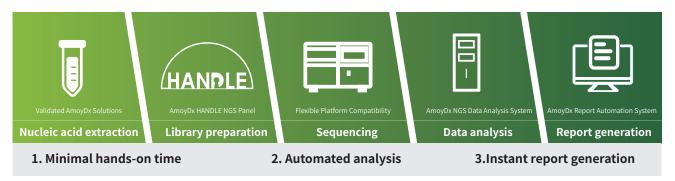
- · Includes all guideline-recommended genes for solid tumors
- ·Increases chances of finding actionable variants
- · Minimizes need for repeat or expanded testing



Effortless Reporting and Insights with ARAS



Streamlined Workflow from Sample to Report in 3 days



Ordering Information

Catalog Number	8.06.0161
Kit Format	24 tests/kit
Instrument	NovaSeqv6000, NextSeq 500/550Dx, MiSeq / MiSeqDx
Storage & Shelf-life	-25°C to -15°C for 12 months

Citation:

- 1.Hum Mutat. 2020;41(8):e1-e6.
- 2.JAMA Oncol. 2021 Feb 1;7(2):312.
- 3.J Clin Oncol. 2024;42(21):2599-2615.
- 4.J Natl Compr Canc Netw. 2023;21(10):1000-1010.

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

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