

QUAN Dx[®]

MOLECULAR DIAGNOSTICS INNOVATOR

AML Q-FUSION SCREENING KIT

FUSION GENE DETECTION

The ability to detect AML-specific fusion genes is critical in both clinical and research settings.

The AML Q-Fusion Screening Kit is a novel multiplex reverse transcription real-time PCR (RT-qPCR) system able to simultaneously detect 16 fusion genes, including PML-RAR α L and PML-RAR α S. Fusion and control gene transcripts are co-amplified in each reaction and identified by specific fluorescent probes. The Q-Fusion system provides a sensitive, specific, reliable and cost-effective tool that is easy to perform for the routine screening of leukemia fusion transcripts.

KEY FEATURES

- **Multiplexing:** Allows simultaneous detection of 16 fusion genes with 72 breakpoints.
- **Compatibility:** Test is compatible with most current real-time qPCR instruments.
- **Rapid:** Results can be obtained in 2-3 hours.
- **Simple:** Easy to perform for routine screening.
- **Cost Effective:** Can be performed for a fraction of the cost of FISH

PRODUCT SPECIFICATIONS

FUSION GENES	MLL-AF9, CBF β -MYH11, PML-RAR α L, PML-RAR α S, AML1-MDS1, NPM-MLF1, AML1-ETO, NPM-RAR α , PLZF-RAR α , DEK-CAN, MLL-ELL, AML1-EAP, MLL-AF10, SET-CAN, TEL-ABL1, TLS-ERG, NPM-ALK
SAMPLE TYPES	Bone marrow, peripheral blood, FFPE, cell lines
REACTION TIME	2-3 hours
INTERNAL CONTROL	GUSB as housekeeping genes, 2 positive control, 3 negative control
INSTRUMENTS	Compatible with Bio-Rad CFX96, iCycler, ABI7500, Stratagene Mx3000P/Mx3005P, and other commonly used RT-qPCR instruments
DETECTION CHANNELS	FAM/HEX/ROX

ORDERING INFORMATION

AML Q-FUSION SCREENING KIT

Cat. No.	Description	Size
1-100-20010	AML Q-Fusion Screening Kit	10 reactions

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

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