CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

BRAF-KIAA1549 Dual Fusion/Translocation FISH Probe Kit

Introduction

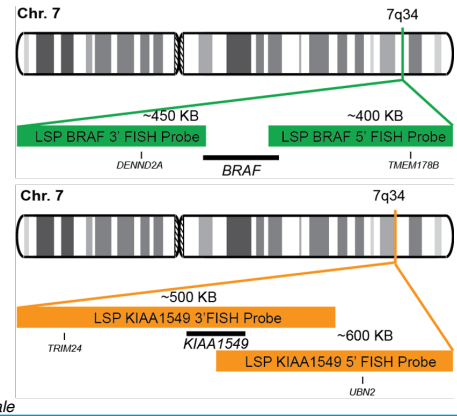
The BRAF-KIAA1549 Dual Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human BRAF and KIAA1549 genes, both located on chromosome band 7q34. Fusions of BRAF – also known as v-raf murine sarcoma viral oncogene homolog B1, BRAF1 or RAFB1 – with KIAA1549 have been found in many cases of pilocytic astrocytoma, as well as other malignancies.

Intended Use

To detect rearrangements involving the human BRAF and KIAA1549 genes located on chromosome band 7q34.

Cont.	Color
LSP BRAF 5'-3' FISH Probe	CytoGreen
LSP KIAA1549 5'-3' FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP BRAF 5'-3' FISH probe covers the 5' and 3' ends of the *BRAF* gene as well as adjacent genomic sequences. LSP KIAA1549 5'-3' probe covers the *KIAA1549* gene along with genomic sequences adjacent to the 5' (start) and 3' (end) of the gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.	Volume
CT-PAC325-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Davies H, et al. *Nature*. 417(6892):949-54 (2002).
2) Oliveira C, et al. *Oncogene*. 22(57):9192-6 (2003).
3) Pollock PM, et al. *Nat Genet*. 33(1):19-20 (2003).
4) Tuveson DA, et al. *Cancer Cell*. 4(2):95-8 (2003).
5) Shih IeM & Kurman RJ. *Am J Pathol*. 164(5):1511-8 (2004).
6) Faulkner C, et al. *J Neuropathol Exp Neurol*. 74(9):867-872 (2015).
7) Tian Y, et al. *J Mol Diagn*. 13(6):669-677 (2011).

-25°C -15°C CE IVD

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* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.