

BRAF/CCP7 FISH Probe Kit

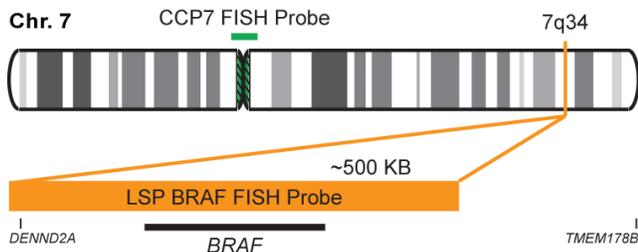
Introduction

The BRAF/CCP7 FISH Probe Kit is designed to detect the human *BRAF* gene located on chromosome band 7q34, along with the number of chromosome 7 copies per cell. Abnormalities in *BRAF* – also known as *v-raf murine sarcoma viral oncogene homolog B1*, *BRAF1* or *RAFB1* – have been found in solid tumors like melanoma, colorectal cancer, ovarian cancer, papillary thyroid cancer and other malignancies.

Intended Use
To measure the copy number of the human <i>BRAF</i> gene located on chromosome band 7q34.

Cont.	Color
LSP BRAF FISH Probe CCP7 FISH Probe	CytoOrange CytoGreen

Probe Design



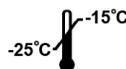
LSP BRAF FISH Probe covers a chromosomal region which includes the entire *BRAF* gene. CCP7 FISH Probe, derived from chromosome 7-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 7 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC121-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 2O2G	<u>Abnormal Patterns</u> Other Patterns

- 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).



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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.