

IGH Break Apart FISH Probe Kit

Introduction

The IGH Break Apart FISH Probe Kit is designed to detect rearrangements in the human *IGH* locus located on chromosome band 14q32.33. In addition to revealing breaks, which can lead to translocation of parts of the locus, inversion, or its fusion to other genes, the probe set can also be used to identify other *IGH* aberrations such as deletions or amplifications. Rearrangements involving the *IGH* locus have been observed in many leukemia and lymphoma types.

Intended Use

To detect rearrangements in the human *IGH* locus located on chromosome band 14q32.33.

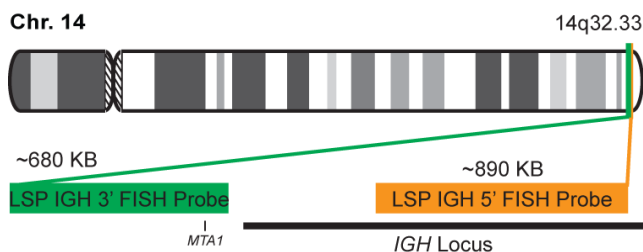
Cont.

LSP IGH 5' FISH Probe
LSP IGH 3' FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP IGH 5' FISH Probe covers the 5' and the center sequences of the *IGH* locus. LSP IGH 3' FISH Probe covers the 3' (end) part and the neighboring downstream region. The two probes are flanking sequences across the *IGH* locus in which various breakpoints have been observed.

Not to Scale

Cat. No.

CT-PAC201-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

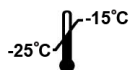
2OG*

Abnormal Pattern

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Croce CM, et al. *Proc Natl Acad Sci U S A*. 276(7):3416-9 (1979).
- 2) Kirsch IR, et al. *Science*. 216(4543):301-3 (1982).
- 3) Buluwela L, et al. *EMBO J*. 7(7):2003-10 (1988).
- 4) Ravetch JV, et al. *Cell*. 27(3 Pt 2):583-91 (1981).
- 5) Lefranc MP, et al. *Mol Biol Med*. 1(2):207-17 (1983).



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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.

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