

NUP98 Break Apart FISH Probe Kit

Introduction

The NUP98 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *NUP98* gene located on chromosome band 11p15.4. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other *NUP98* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *NUP98* gene – also known as *NUP96*, *NUP196* or *ADIR2* – have been observed in acute lymphoblastic leukemia (ALL), acute myeloid leukemia (AML), myelodysplastic syndrome (MDS) and other malignancies.

Intended Use

To detect rearrangements in the human *NUP98* gene located on chromosome band 11p15.4.

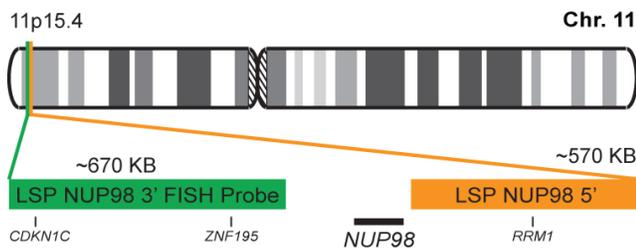
Cont.

LSP NUP98 5' FISH Probe
LSP NUP98 3' FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP NUP98 5' FISH Probe covers some genomic sequences adjacent to the 5' end of the *NUP98* gene. LSP NUP98 3' FISH Probe covers sequences downstream of the 3' end of the gene. The two probes are flanking sequences across the *NUP98* gene in which various breakpoints have been observed.

Cat. No.

CT-PAC180-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Nakamura T, et al. *Nat Genet.* 12(2):154-8 (1996).
- 2) Hussey DJ, et al. *Blood.* 94(6):2072-9 (1999).
- 3) Ahuja HG, et al. *Cancer Res.* 60(22):6227-9 (2000).
- 4) Jaju RJ, et al. *Blood.* 98(4):1264-7 (2001).
- 5) Brown J, et al. *Blood.* 99(7):2526-31 (2002).



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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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