

NONO-TFE3 Fusion/Translocation FISH Probe Kit

Introduction

The NONO-TFE3 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *NONO* and *TFE3* genes, located on chromosome bands Xq13.1 and Xp11.23, respectively. Rearrangements between the two genes, the *NONO* gene – also called *NMT55*, *NRB54*, *P54*, *P54NRB* or *PPP1R114* – and the *TFE3* gene – also known as *TFEA*, *RCCP2*, *RCCX1* or *bHLHe33*, have been observed in renal cell carcinoma subtypes and other tumor types.

Intended Use

To detect rearrangements involving the human *NONO* and *TFE3* genes located on chromosome bands Xq13.1 and Xp11.23, respectively.

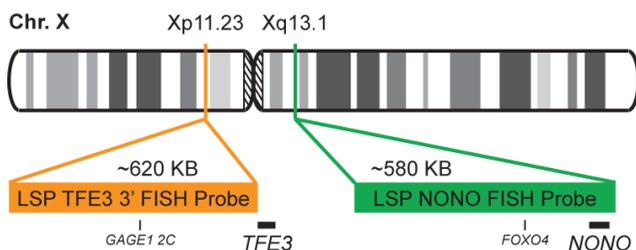
Cont.

LSP NONO FISH Probe
LSP TFE3 3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP NONO FISH Probe covers the entire *NONO* gene along with some upstream (5' end) sequences. LSP TFE3 3' FISH Probe covers genomic sequences adjacent to the 3' portion of the *TFE3* gene. The probe set is optimized to reveal translocations between the two gene regions.

Cat. No.

CT-PAC074-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G*

Abnormal Pattern

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Malouf GG, et al. *Ann Oncol.* 21(9):1834-8 (2010).
- 2) Aulmann S, et al. *Histopathology.* 50(7):881-6 (2007).
- 3) Rao Q, et al. *Am J Surg Pathol.* 37(6):804-15 (2013).
- 4) Dong B, et al. *Nucleic Acids Res.* 21(17):4085-92 (1993).
- 5) Clark J, et al. *Oncogene.* 15(18):2233-9 (1997).



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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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