

ASPSCR1-TFE3 Fusion/Translocation FISH Probe Kit

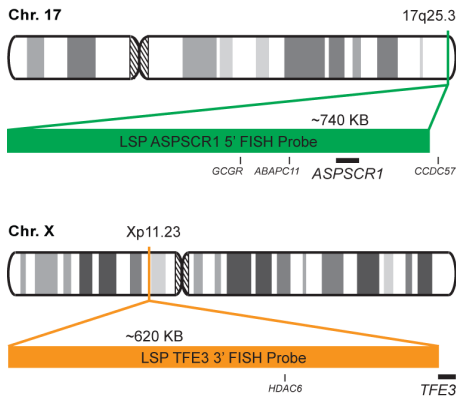
Introduction

The ASPSCR1-TFE3 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *ASPSCR1* and *TFE3* genes located on chromosome bands 17q25.3 and Xp11.23, respectively. Fusion of *ASPSCR1* – also known as *TUG*, *ASPL*, *ASPS*, *RCC17*, *UBXD9*, *UBXN9* or *ASPCR1* – with the *TFE3* gene – also known as *TFEA*, *RCCP2*, *RCCX1* or *bHLHe33* – on the X chromosome has been observed in alveolar soft part sarcoma and a subset of renal cell carcinomas.

| Intended Use |
|--|
| To detect rearrangements involving the human <i>ASPSCR1</i> and <i>TFE3</i> genes located on chromosome bands 17q25.3 and Xp11.23, respectively. |

| Cont. | Color |
|---|-------------------------|
| LSP ASPSCR1 5' FISH Probe LSP TFE3 3' FISH Probe | CytoGreen CytoOrange |

Probe Design



LSP ASPSCR1 5' FISH Probe covers the entire *ASPSCR1* gene and some genomic sequences adjacent to the 5' (start) and 3' (end) of the gene. LSP TFE3 3' FISH Probe covers the 3' (end) part and sequences downstream of the *TFE3* gene. The probe set is optimized to reveal translocations between the two genes.

| Cat. No. | Volume |
|-----------------|-------------------|
| CT-PAC061-10-GO | 10 Tests (100 µL) |

| Signal Pattern Interpretation | |
|---------------------------------|--|
| <u>Normal Patterns</u> 2O2G* | <u>Abnormal Patterns</u> 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) Ladanyi M, et al. *Oncogene.* 20(1):48-57 (2001).
- 5) Argani P, et al. *Am J Pathol.* 159(1):179-92 (2001).



* 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.