

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 ASPSCR1 – 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 *ASPSCR1* and *TFE3* genes located on chromosome bands 17q25.3 and Xp11.23, respectively.

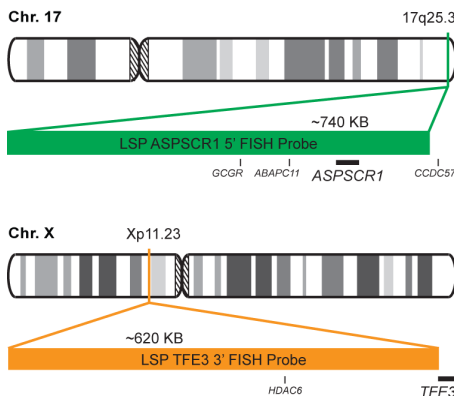
Cont.

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

Normal Patterns

2O2G*

Abnormal Patterns

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.