

PRCC-TFE3 Fusion/Translocation FISH Probe

Introduction

The PRCC-TFE3 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *PRCC* and *TFE3* genes located on chromosome bands 1q23.1 and Xp11.23, respectively. Rearrangements between the two genes, the *PRCC* gene – also called *RCCP1* – and the *TFE3* gene – also known as *TFEA*, *RCCP2*, *RCCX1* or *bHLHe33*, have been observed in renal cell carcinoma.

Intended Use

To detect rearrangements involving the human *PRCC* and *TFE3* genes located on chromosome bands 1q23.1 and Xp11.23, respectively.

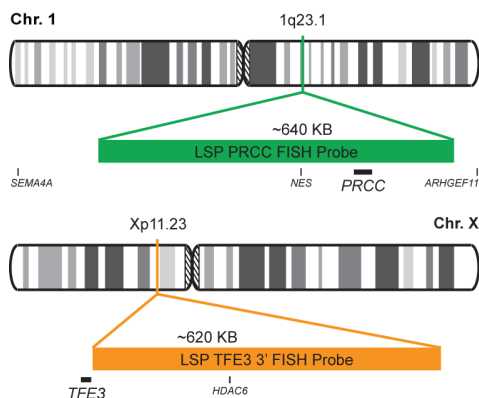
Cont.

LSP PRCC FISH Probe
LSP TFE3 3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP PRCC FISH Probe covers a chromosomal region which includes the entire *PRCC* gene. LSP TFE3 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the *TFE3* gene. The probe set is optimized to reveal translocations between the two regions.

Cat. No.

CT-PAC147-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G*

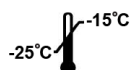
Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) de Jong B, et al. *Cancer Genet Cytogenet.* 21(2):165-9 (1986).
- 2) Meloni AM, et al. *Cancer Genet Cytogenet.* 65(1):1-6 (1993).
- 3) Weterman MA, et al. *Proc Natl Acad Sci U S A.* 93(26):15294-8 (1996).
- 4) Amin MB, et al. *Am J Surg Pathol.* 21(6):621-35 (1997).
- 5) van den Berg E, et al. *Cancer Genet Cytogenet.* 95(1):103-7 (1997).

* 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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