

## FN1-FGFR1 Fusion/Translocation FISH Probe Kit

### Introduction

The FN1-FGFR1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human FN1 and FGFR1 genes located on chromosome bands 2q35 and 8p11.23, respectively. Rearrangements between the two gene regions, the FN1 gene – also known as CIG, ED-B, FINC, FN, FNZ, GFND, GFND2, LETS or MSF – and the FGFR1 gene – also called BFGFR, CD331, CEK, FGFR-1, FLG, FLT-2, FLT2, HBGFR, HH2, HRTFDS, KAL2, N-SAM, OGD, or bFGF-R-1, have been observed in a number of hematological and solid tumor types, and other conditions.

### Intended Use

To detect rearrangements involving the human *FN1* and *FGFR1* genes located on chromosome bands 2q35 and 8p11.23, respectively.

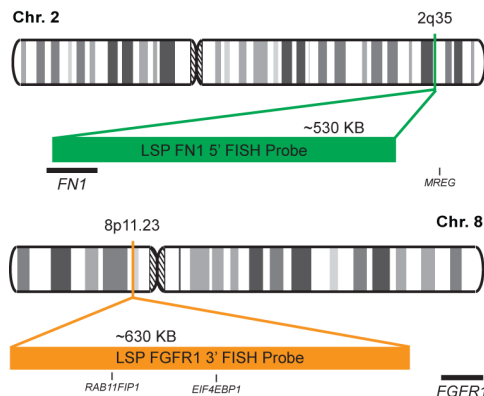
### Cont.

LSP FN1 5' FISH Probe  
LSP FGFR1 3' FISH Probe

### Color

CytoGreen  
CytoOrange

### Probe Design



LSP FN1 5' FISH Probe covers the center sequences and the 5' (start) portion of the *FN1* gene and some adjacent genomic sequences. LSP FGFR1 3' FISH Probe covers sequences downstream (3' end) of the *FGFR1* gene. The probe set is optimized to reveal translocations between the two gene regions.

### Cat. No.

CT-PAC084-10-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) O'Connor C. *Nature Education*. 1(1):171 (2008).  
2) Tsuchiya KD. *Clin Lab Med*. 31(4):525-42, vii-viii (2011).  
3) Ried T, et al. *Hum Mol Genet*. 7(10):1619-26 (1998).  
4) Park TS, et al. *Cancer Genet Cytogenet*. 181(2):93-9 (2008).  
5) Wu BL, et al. *Cytogenet Cell Genet*. 63(1):29-32 (1993).

\* 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.