

## FUS-DDIT3 Fusion/Translocation FISH Probe Kit

### Introduction

The FUS-DDIT3 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human FUS and DDIT3 genes located on chromosome bands 16p11.2 and 12q13.3, respectively. Rearrangements involving the two genes, FUS – also named TLS – and DDIT3 – also known as CHOP, CHOP-10, GADD153 or C/EBP zeta, have been observed in myxoid liposarcoma and other conditions.

### Intended Use

To detect rearrangements involving the human *FUS* and *DDIT3* genes located on chromosome bands 16p11.2 and 12q13.3, respectively.

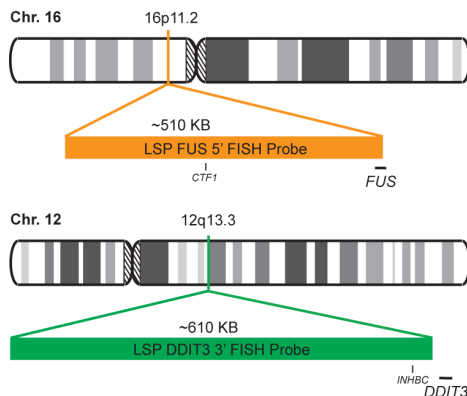
### Cont.

### Color

LSP FUS 5' FISH Probe  
LSP DDIT3 3' FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP FUS 5' FISH Probe covers the 5' (start) portion of the *FUS* gene along with some upstream genomic sequences. LSP DDIT3 3' FISH Probe includes the sequences downstream of the 3' (end) of the *DDIT3* gene. The probe set is optimized to reveal translocations between the two gene regions.

### Cat. No.

### Volume

CT-PAC077-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G\*

#### Abnormal Patterns

Other Patterns

\*Overlapping orange and green signals can appear as yellow.

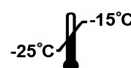
- 1) Panagopoulos I, et al. *Biochem Biophys Res Commun.* 279(3):838-45 (2000).
- 2) Pérez-Losada J, et al. *Oncogene.* 19(20):2413-22 (2000).
- 3) Pérez-Losada J, et al. *Oncogene.* 19(52):6015-22 (2000).
- 4) Storlazzi CT, et al. *Hum Mol Genet.* 12(18):2349-58 (2003).
- 5) Panagopoulos I, et al. *Genes Chromosomes Cancer.* 40(3):218-28 (2004).

\* 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.

DCN032

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