CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

EWSR1-FLI1 Dual Fusion/Translocation FISH Probe Kit

Introduction

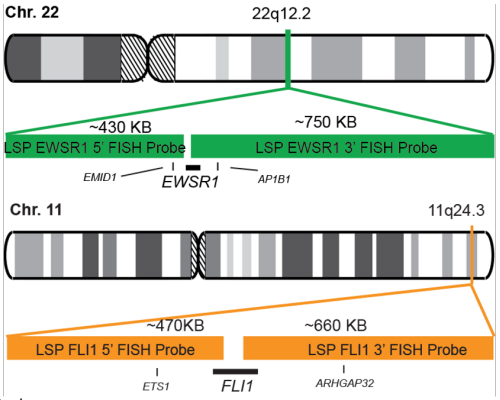
The EWSR1-FLI1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human EWSR1 and FLI1 genes, located on chromosome bands 22q12.2 and 11q24.3, respectively. EWSR1 is also known as EWS, EWS-FLI1 or bK984G1. FLI1 is also known as EWSR2, SIC-1 or BDPLT21. Rearrangements involving portions of these two genes have been observed in Ewing's and other sarcomas, nervous system and other tumors, and in some congenital and autoimmune conditions.

Intended Use

To measure the copy number of the human *EWSR1 and FLI1* genes located on chromosome band 22q12.2 and 11q24.3.

Cont.	Color
LSP EWSR1 5'-3' FISH Probe	CytoGreen
LSP FLI1 5'-3' FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP EWSR1 5'-3' FISH Probe covers the 5' and the center sequences of the *EWSR1* gene, and it also covers the 3' (end) part and the neighboring downstream region. LSP FLI1 5'-3' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *FLI1* gene, and it also covers sequences downstream of the 3' end of the gene. The probe set is optimized to reveal translocations between the two regions.

Cat. No.	Volume
CT-PAC190-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G	Other Patterns

1) Ludwig JA. *Curr Opin Oncol.* 20(4):412-8 (2008).
2) Erkizan HV, et al. *Clin Cancer Res.* 16(16):4077-83 (2010).
3) Romeo S & Dei Tos AP. *Virchows Arch.* 456(2):219-34 (2010).
4) Sohn EJ, et al. *Cancer Res.* 70(3):1154-63 (2010).
5) Tanas MR, et al. *Mod Pathol.* 23(1):93-7 (2010).

-25°C -15°C CE IVD

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* 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.