CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

EWSR1 Break Apart FISH Probe Kit

Introduction

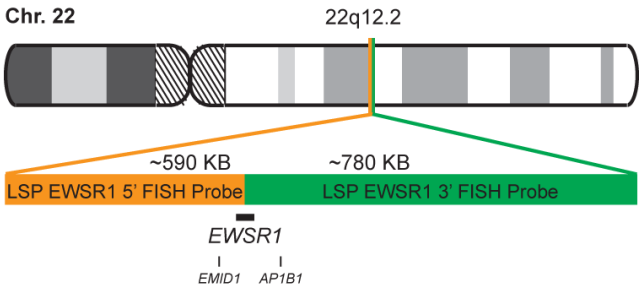
The EWSR1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human EWSR1 gene located on chromosome band 22q12.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other EWSR1 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the EWSR1 gene – also known as EWS or bK984G1.4 – have been observed in Ewing's sarcoma and in numerous neuroectodermal and other tumor types.

Intended Use

To detect rearrangements in the human *EWSR1* gene located on chromosome band 22q12.2.

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

Probe Design



Not to Scale

LSP EWSR1 5' FISH Probe covers the 5' (start) portion of the *EWSR1* gene and some adjacent genomic sequences. LSP EWSR1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *EWSR1* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC054-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

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 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.