

EWSR1-FLI1 Tri-color Fusion/Translocation FISH Probe Kit

Introduction

The EWSR1-FLI1 Tri-color 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 detect rearrangements involving the human *EWSR1* and *FLI1* genes, located on chromosome bands 22q12.2 and 11q24.3, respectively.

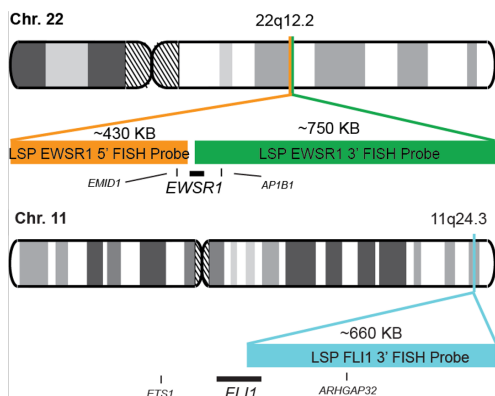
Cont.

Color

LSP EWSR1 5' FISH Probe
LSP EWSR1 3' FISH Probe
LSP FLI1 3' FISH Probe

CytoOrange
CytoGreen
CytoAqua

Probe Design



LSP EWSR1 5' FISH Probe covers the 5' of the *EWSR1* gene. LSP EWSR1 3' FISH Probe covers the 3' end and the neighboring downstream region. The two probes are designed to recognize sequences on both sides of a common breakpoint that is located inside the *EWSR1* gene. LSP FLI1 3' covers the 3' end and the neighboring downstream region of the *FLI1* gene.

Cat. No.

Volume

CT-PAC256-10-OGA

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A*

Abnormal Patterns

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).

* 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.