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

ENGLISH

For Professional Use Only

CCND1 Break Apart FISH Probe Kit

Introduction

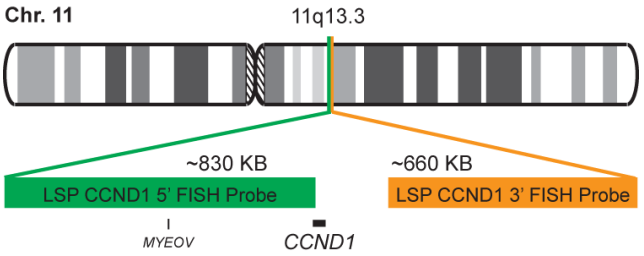
The CCND1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human CCND1 gene located on chromosome band 11q13.3. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other CCND1 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the CCND1 gene – also known as BCL1, PRAD1, U21B31 or D11S287E – have been observed in several types of hematological malignancies.

Intended Use

To detect rearrangements in the human *CCND1* gene located on chromosome band 11q13.3.

Cont.	Color
LSP CCND1 5' FISH Probe	CytoGreen
LSP CCND1 3' FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP CCND1 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *CCND1* gene. LSP CCND1 3' FISH Probe covers sequences downstream of the 3' end of the gene. The two probes are flanking sequences across the *CCND1* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC209-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Siegert JL, et al. *Oncogene*. 19(50):5703-11 (2000).
2) Motokura T, et al. *Nature*. 350(6318):512-5 (1991).
3) Rimokh R, et al. *Blood*. 83(12):3689-96 (1994).
4) Brizard F, et al. *Leuk Lymphoma*. 25(5-6):539-43 (1997).
5) Fonseca R, et al. *Leukemia*. 23(12):2210-21 (2009).

-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.