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

ENGLISH

For Professional Use Only

MYEOV Break Apart FISH Probe Kit

Introduction

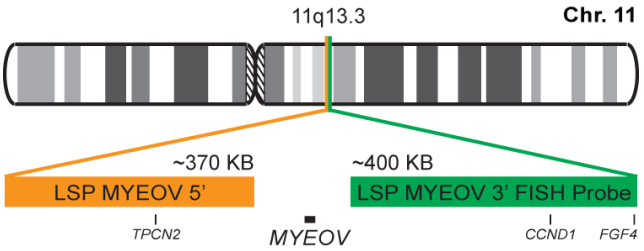
The MYEOV Break Apart FISH Probe Kit is designed to detect rearrangements in the human MYEOV gene located on chromosome band 11q13.3. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other MYEOV aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the MYEOV gene – also known as OCIM – have been observed in multiple myeloma, various solid tumor types, such as colon cancer, gastric cancer, neuroblastoma, oral squamous cell carcinoma, etc., and other malignancies.

Intended Use

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

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

Probe Design



Not to Scale

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

Cat. No.	Volume
CT-PAC141-10-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) Janssen JW, et al. *Blood*. 95(8):2691-8 (2000).
2) Leyden J, et al. *Br J Cancer*. 94(8):1204-12 (2006).
3) Lawlor G, et al. *J Exp Clin Cancer Res*. 29:81 (2010).
4) Moreaux J, et al. *Exp Hematol*. 38(12):1189-1198 (2010).
5) Takita J, et al. *Cancer Sci*. 102(9):1645-50 (2011).

-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.