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

ENGLISH

For Professional Use Only

CIC Break Apart FISH Probe Kit

Introduction

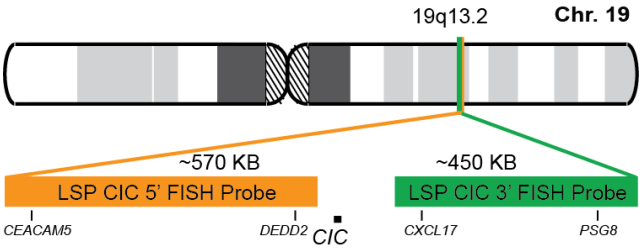
The CIC Break Apart FISH Probe Kit is designed to detect rearrangements in the human CIC gene located on chromosome band 19q13.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other CIC aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the CIC gene – also known as KIAA0306 or MRD45 – have been observed in Ewing-like sarcomas, oligodendroglioma and other cancers.

Intended Use

To detect rearrangements in the human CIC gene located on chromosome band 19q13.2.

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

Probe Design



Not to Scale

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

Cat. No.	Volume
CT-PAC236-10-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) Yip S, et al. J Pathol. 226(1):7-16 (2012).
2) Sugita S, et al. Am J Surg Pathol. 38(11):1571-6 (2014).
3) Solomon DA, et al. Am J Surg Pathol. 38(12):1724-5 (2014).
4) Gleize V, et al. Ann Neurol. 78(3):355-74 (2015).
5) Italiano A, et al. Genes Chromosomes Cancer 51(3):207-18.

-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.