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

ENGLISH

For Professional Use Only

ZFTA Break Apart FISH Probe Kit

Introduction

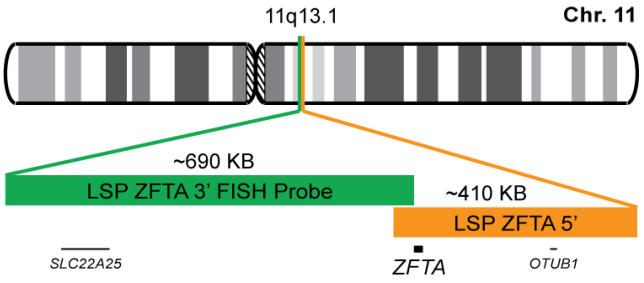
The ZFTA Break Apart FISH Probe Kit is designed to detect rearrangements in the human ZFTA gene located on chromosome band 11q13.1. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other ZFTA aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the ZFTA gene – also known as C11orf95 – have been associated with anaplastic ependymoma, ependymoma, breast invasive ductal carcinoma, clear cell ependymona and other malignancies.

Intended Use

To detect rearrangements in the human *ZFTA* gene situated on chromosome band 11q13.1.

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

Probe Design



Not to Scale

LSP ZFTA 5' FISH Probe covers the entire *ZFTA* gene and some genomic sequences adjacent to the 5' (start) end of the gene. LSP ZFTA 3' FISH Probe covers the sequences downstream of the 3' end of the gene. The two probes are flanking a region in the *AFF1* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC425-10-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) Nambirajan A, et al. Neuropathology. 36(5):490-495 (2016).
2) Nishio J. J Biomed Biotechnol. 524067 (2011).
3) Tamai S, et al. Brain Tumor Pathol. 38(1):64-70 (2021).
4) Cachia D, et al. Brain Tumor Pathol. 32(2):105-11 (2015).
5) Huang D, et al. Genes Chromosomes Cancer. 49(9):810-8 (2010).

-25°C -15°C CE IVD

CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA

* 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.