

TP63 Break Apart FISH Probe Kit

Introduction

The TP63 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *TP63* gene located on chromosome band 3q28. 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 *TP63* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *TP63* gene – also known as *AIS*, *B(p51A)*, *B(p51B)*, *EEC3*, *KET*, *LMS*, *NBP*, *OFC8*, *RHS*, *SHFM4*, *TP53CP*, *TP53L*, *TP73L*, *p40*, *p51*, *p53CP*, *p63*, *p73H*, *p73L* – have been observed in ectodermal dysplasia, and cleft lip/palate syndrome 3 (*EEC3*); split-hand/foot malformation 4 (*SHFM4*); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrimar-tooth); limb-mammary syndrome; Rap-Hodgkin syndrome (*RHS*); and orofacial cleft 8.

Intended Use

To detect rearrangements in the human *TP63* gene located on chromosome band 3q28.

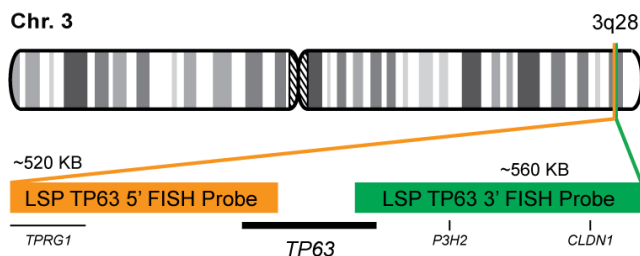
Cont.

LSP TP63 5' FISH Probe
LSP TP63 3' FISH Probe

Color

CytoOrange
CytoGreen

Probe Design



LSP TP63 5' FISH Probe covers sequences adjacent to the 5' (start) portion of the *TP63* gene. LSP TP63 3' FISH Probe covers some sequences downstream (3' end) of the gene. The two probes are flanking sequences across the *TP63* gene in which variable breakpoints have been observed.

Not to Scale

Cat. No.

CT-PAC441-10-OG

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Yen CC, et al. World J Gastroenterol. 11(9):1267-72 (2005).
2) Emanuel PO, et al. Ann Diagn Pathol. 10(5):269-73 (2006).
3) Prontera P, et al. Genet Couns. 19(4):397-402 (2008).
4) Avitan-Hersh E, et al. Pediatr Dermatol. 27(6):643-5 (2010).
5) Serra V, et al. Am J Med Genet A. 155A(12):3104-9 (2011).

* 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.