

## TBX1/ARSA FISH Probe Kit

### Introduction

The TBX1/ARSA FISH Probe Kit is designed to detect the human *TBX1* and *ARSA* genes located on chromosomes band 22q11.21 and 22q13.33, respectively. Abnormalities in both gene regions, *TBX1* – also named *CAFS*, *CATCH22*, *CTHM*, *DGCR*, *DGS*, *DORV*, *TBX1C*, *TGA*, *VCF* or *VCFS* – and *ARSA* – also known as *MLD* –, are found in DiGeorge Syndrome and other conditions.

### Intended Use

To measure the copy number of the human *TBX1* gene located on chromosome band 22q11.21.

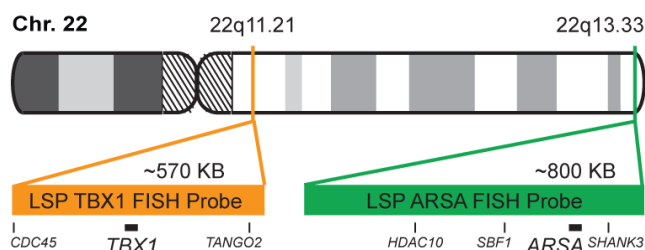
### Cont.

LSP TBX1 FISH Probe  
LSP ARSA FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP TBX1 FISH Probe covers a chromosomal region which includes the entire *TBX1* gene. LSP ARSA FISH Probe covers a chromosomal region including the entire *ARSA* gene.

### Cat. No.

CT-PAC401-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Pattern

2O + 2G

#### Abnormal Pattern

Other Patterns

- 1) Simioni M, et al. *J Appl Genet.* 51(2):219-21 (2010).
- 2) Choudhry P & Trede NS. *PLoS One.* 8(3):e58145 (2013).
- 3) Weisfeld-Adams JD, et al. *Eur J Med Genet.* 55(12):732-6 (2012).
- 4) Chen M, et al. *Ultrasound Obstet Gynecol.* 43(4):396-403 (2014).
- 5) Chen CP, et al. *Gene.* 527(1):405-9 (2013).

\* 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.



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