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

LIFE TECH Life Technologies™
Your Molecular & Cell Technology Partner

For Professional Use Only

FIP1L1-CHIC2-PDGFRA Tri-color FISH Probe Kit

Introduction

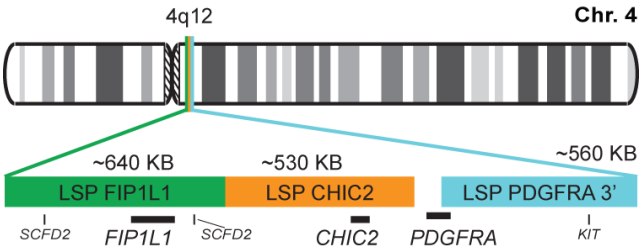
The FIP1L1-CHIC2-PDGFRA Tri-color FISH Probe Kit is designed to detect rearrangements involving the human *FIP1L1*, *CHIC2* and *PDGFRA* genes located on chromosome band 4q12. Rearrangements between the *FIP1L1* and *PDGFRA* genes with an interstitial deletion at the *CHIC2* gene region have been observed in diverse eosinophilia-associated hematologic disorders like hyperseosinophilic syndrome (HES), systemic mastocytosis (SM) and chronic eosinophilic leukemia (CEL).

Intended Use

To detect arrangements involving the human *FIP1L1*, *CHIC2* and *PDGFRA* genes located on chromosome band 4q12.

Cont.	Color
LSP FIP1L1 FISH Probe	CytoGreen
LSP CHIC2 FISH Probe	CytoOrange
LSP PDGFRA 3' FISH Probe	CytoAqua

Probe Design



Not to Scale

LSP FIP1L1 FISH Probe covers a chromosomal region which includes the entire *FIP1L1* gene. LSP CHIC2 FISH Probe covers a chromosomal region which includes the entire *CHIC2* gene. LSP PDGFRA 3‘ FISH Probe covers the 3’ end as well as sequences downstream of the *PDGFRA* gene. The probe set is optimized to reveal arrangements in this region.

Cat. No.	Volume
CT-PAC173-10-GOA	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
2O + 2G + 2A	Other Patterns

1) Cools J, et al. *N Engl J Med.* 348(13):1201-14 (2003).
2) Griffin JH, et al. *Proc Natl Acad Sci USA.* 100(13):7830-5 (2003).
3) Gotlib J, et al. *Blood.* 103(8):2879-91 (2004).
4) Pardanani A, et al. *Blood.* 104(10):3038-45 (2004).
5) Vandenberghe P, et al. *Leukemia.* 18(4):734-42 (2004).

-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.

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