

CDK14/CUX1/CCP7 FISH Probe Kit

Introduction

The CDK14/CUX1/CCP7 FISH Probe Kit is designed to detect the human *CDK14* and *CUX1* genes located on chromosome bands 7q21.13 and 7q22.1, respectively, along with the number of chromosome 7 copies per cell. Abnormalities (typically chromosome 7 q-arm deletions) in *CDK14* – also known as *PFTK1* or *PFTAIRE1* – and *CUX1* – also called *p75*, *p200*, *p110*, *Nbla10317*, *GOLIM6*, *FLJ31745*, *Cux/CDP*, *Clox*, *CUX*, *CUTL1*, *COY1*, *CDP1*, *CDP/Cut*, *CDP*, or *CASP* – occur in malignant myeloid diseases (ex. CML, AML, etc.) and other malignancies.

Intended Use

To measure the copy number of the human *CDK14* and *CUX1* genes located on chromosome bands 7q21.13 and 7q22.1, respectively.

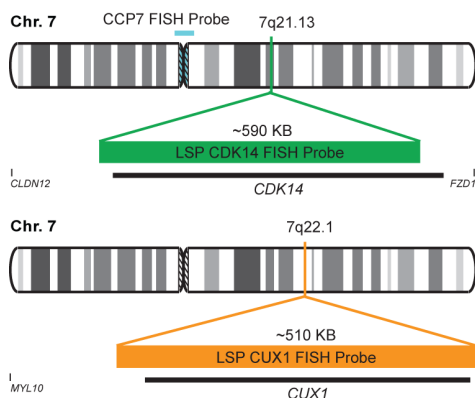
Cont.

LSP CDK14 FISH Probe
LSP CUX1 FISH Probe
CCP7 FISH Probe

Color

CytoGreen
CytoOrange
CytoAqua

Probe Design



LSP CDK14 FISH Probe covers a chromosomal region which includes the *CDK14* gene. LSP CUX1 FISH Probe covers a chromosomal region which includes the entire *CUX1* gene. CCP7 FISH Probe, derived from chromosome 7-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 7 copies per cell.

Cat. No.

CT-PAC125-10-GOA

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A

Abnormal Patterns

Other Patterns

- 1) Le Beau MM, et al. *Blood*. 88(6):1930-5 (1996).
- 2) Fischer K, et al. *Blood*. 89(6):2036-41 (1997).
- 3) Döhner K, et al. *Blood*. 92(11):4031-5 (1998).
- 4) Pedersen-Bjergaard J, et al. *Blood*. 86(9):3542-52 (1995).
- 5) Zompi S & Vigué F. *Leuk Lymphoma*. 43(2):275-80 (2002).



CytoTest Inc.
9430 Key West Ave., Suite 210
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.

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Road No. 44, Pitampura, Delhi – 110034, India

Mobile: +91-98105-21400, Tel: +91-11-42208000, 8111, 8222, Fax: +91-11-42208444

Email: customerservice@lifetechindia.com, www.atzlabs.com; www.lifetechindia.com