

CDK14/CUX1/CCP7 FISH Probe Kit

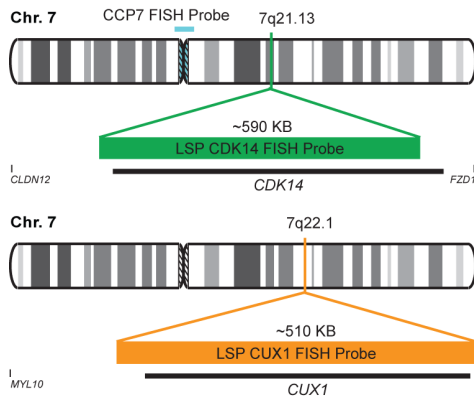
Introduction

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 <i>CDK14</i> and <i>CUX1</i> genes located on chromosome bands 7q21.13 and 7q22.1, respectively.

Cont.	Color
LSP CDK14 FISH Probe LSP CUX1 FISH Probe CCP7 FISH Probe	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.	Volume
CT-PAC125-10-GOA	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Patterns</u> 2O2G2A	<u>Abnormal Patterns</u> 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 & Viguié F. *Leuk Lymphoma*. 43(2):275-80 (2002).



* 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.