



For Professional Use Only

ABL1 Break Apart FISH Probe Kit

Introduction

The ABL1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *ABL1* gene located on chromosome band 9q34.12. 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 *ABL1* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *ABL1* gene – also known as *v-abl*, *p150*, *c-ABL1*, *c-ABL*, *bcr/abl*, *JTK7* or *ABL* – have been observed in acute lymphoblastic leukemia (ALL), chronic myelogenous leukemia (CML), acute myeloid leukemia (AML) and other malignancies.

Intended Use			Cont.		Color	
To detect rearrangements in the human <i>ABL1</i> gene located on chromosome band 9q34.12.			LSP ABL1 5' FISH Probe LSP ABL1 3' FISH Probe		CytoOrange CytoGreen	
Probe Design						
Chr. 9 9q34.12 ~650 KB ~750 KB CSP ABL1 5' FISH Probe HMCN2 ASS1 ABL1 LAMC3 NUP214			LSP ABL1 5' FISH Probe covers the 5' (start) portion of the <i>ABL1</i> gene and some adjacent genomic sequences. LSP ABL1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the <i>ABL1</i> gene in which variable breakpoints have been observed.			
Cat. No. Volume			Signal Pattern Interpretation			
CT-PAC115-10-OG	10 Tests (100 µL)		<u>Normal Patterns</u> 2F* *Overlapping orange and green	Othe	<u>nal Patterns</u> er Patterns pear as yellow.	
 Rowley JD. <i>Nature</i>. 243(5405):290-3 (197 Deininger MW, et al. <i>Blood</i>. 96(10):3343-3 Perrotti D, et al. <i>Nat Genet</i>. 30(1):48-58 (2 Calabretta B1 & Perrotti D. <i>Blood</i>. 103(11 Bueno MJ, et al. <i>Cancer Cell</i>. 13(6):496-5 	56 (2000). 2002).):4010-22 (2004)25°		5°C		nc. West Ave., Suite 21 MD 20850, USA	
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