

Split-Signal FISH

(Fluorescence In Situ Hybridization)

Combined DNA Hybridization & PNA Blocking



Bright & balanced split signals in case of translocations

- Independent of the involved partner gene
- Identification of partner gene if metaphase spreads are present
- Minimizes number of false-positive signals



NEW Split-Signal FISH Probes for Detection of Translocations

Split-Signal FISH DNA Probes for Lymphoma Research	Labeled Gene	Cell Type	Code No.
<i>BCL2</i> FISH DNA Probe, Split Signal	18q21	B cell	Y5407
<i>BCL3</i> FISH DNA Probe, Split Signal	19q13	B cell	Y5411
<i>BCL6</i> FISH DNA Probe, Split Signal	3q27	B cell	Y5408
<i>BCL10</i> FISH DNA Probe, Split Signal	1p22	B cell	Y5418
<i>CCND1</i> FISH DNA Probe, Split Signal	11q13	B cell	Y5414
<i>IGH</i> FISH DNA Probe, Split Signal	14q32	B cell	Y5406
<i>IGK</i> FISH DNA Probe, Split Signal	2p11	B cell	Y5416
<i>IGL</i> FISH DNA Probe, Split Signal	22q11	B cell	Y5412
<i>MALT1</i> FISH DNA Probe, Split Signal	18q21	B cell	Y5409
<i>MYC</i> FISH DNA Probe, Split Signal	8q24	B cell	Y5410
<i>PAX5</i> FISH DNA Probe, Split Signal	9p13	B cell	Y5413

Split-Signal FISH DNA Probes for Leukemia Research	Labeled Gene	Cell Type	Code No.
<i>TLX1</i> FISH DNA Probe, Split Signal (HOX11)	10q24	T cell	Y5415

For Research Use Only. Performance evaluation has not been established.

Microscope filter requirements

Use a fluorescence microscope equipped with a 100 W lamp and the following filter set:

- DAPI filter
- Texas Red/FITC double filter

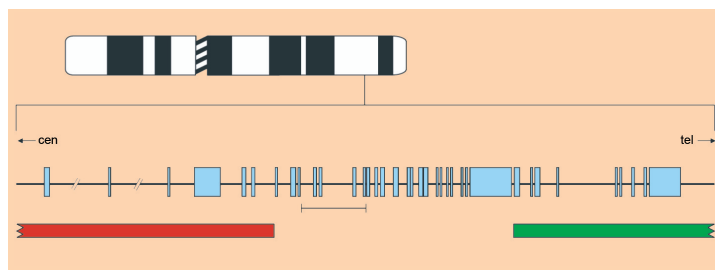


Figure 1. Split-Signal technology hybridizes two differentially labeled DNA probes that flank the breakpoint region of the target gene.

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