Cat Nr/REF:	KBI-10204
	1101-1020-

English

For professional use only

Poseidon[™] Repeat Free[™] EVI t(3;3), inv(3) Break probe

Introduction:	The pericentric inversion of chromosome 3 and the t(3;3)(q21;q26) are two recurrent aberrations in bone marrow of patients with malignant myeloid diseases (MDS and AML). The inversion creates a novel fusion gene, which appears to be critical for leukemic transformation.			
Intended use:		The EVI t(3;3) inv(3) Break Probe is optimized to detect the inversion of chromosome 3 involving the EVI gene region at 3q26 in a dual-color, split assay on metaphase/interphase spreads, blood smears and bone marrow cells.		
		led to be used in combination wi I (KBI-60002, KBI-60003 or KBI-6		iding necessary
Critical region 1 (red):	The distal EVI gene region probe is direct-labeled with PlatinumBright550.			
Critical region 2 (green):	The proximal EVI gene region probe is direct-labeled with PlatinumBright495.			
Reagent:	Poseidon probes are direct-labeled DNA probes provided in a ready-to-use format. Apply 10 µl of probe to a sample area of approximately 22 x 22 mm. Please refer to the Instructions for Use for the entire Poseidon FISH protocol.			
		probes do not contain Cot-1 E und, due to unspecific binding		cy is therefore
Interpretation:	The EVI Break probe is designed as a dual-color split probe to detect inversion or translocatio the EVI gene region at 3q26. A break is defined when a red/green or yellow fusion signals (F) into separate red and green signals. Only red and green signals which are more than one s diameter apart from each other are counted as a break. Co-localized red/green or yellow si identify the normal chromosome(s) 3.			ignals (F) splits than one signal
		nan those described above ma . Investigators are advised to ar S.		
Limitations	due to most recent observations the t(3,3)(q21q26) may not be detectable in all cases due to more distally located breakpoints as covered by this probe. The inv(3) has been detected using this probe in all investigated cases so far.			

	Normal Signal Pattern	t(3;3), inv(3)	
Expected Signals	2F	1F1R1G	

References:

Levy E. et al, 1994, Blood, 83; 1348-1354 Wieser R et al, 2003, Haematologica, 88; 25-30 De Melo V. et al, 2007, Leukemia aop, 13 sep, 1-4

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KBI-10204 ON EVI t(3;3); inv(3) Break





Published Dec 2007

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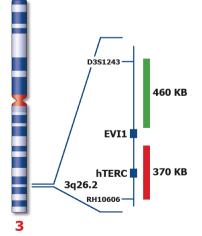
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Application manual

Poseidon is a Trademark of Kreatech, Repeat Free is a trademark of Immunicon

Not to scale