

Kreatech[™] FISH probes Product Information Sheet

KBI-10011 TP53 (17p13) / MPO (17q22) "ISO 17q"



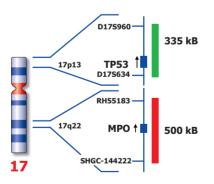




Kreatech Biotechnology B.V. Vlierweg 20 1032 LG Amsterdam The Netherlands www.LeicaBiosystems.com

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KBI-10011

Kreatech™ TP53 (17p13) / MPO (17q22) "ISO 17q" FISH probe

Introduction:	human neoplasia Loss of the tumo critical outcome r Gain of chromoso	17q, or "Iso(17q)," is the and has been described or-suppressor gene TP53, esulting from i(17q) formatii ome segment 17q21-qter is s significant predictor of adv	as both a primary a located at 17p13, on. also of great biolog	and a secondary has been sugges	abnormality. sted to be a	
Intended use:		B) / MPO (17q22) specific F gion at 17p13 and MPO ge			numbers of	
	kits providing ne	experimended to be used in concessary reagents to perform www.LeicaBiosystems.com	orm FISH on vario	us sample types		
Critical region 1 (red): Critical region 2 (green):	The MPO (17q22) specific FISH probe is direct-labeled with Platinum <i>Bright</i> ™550. The TP53 (17p13) specific FISH probe is direct-labeled with Platinum <i>Bright</i> ™495.					
Reagent:	Kreatech 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 Kreatech FISH protocol.					
	Kreatech FISH probes are REPEAT-FREE [™] and therefore do not contain Cot-1 DNA. Hybridization efficiency is increased and background, due to unspecific binding, is highly reduced.					
Interpretation:	The TP53 (17p13) / MPO (17q22) FISH probe is designed as a dual-color assay to deter deletions and amplifications at 17p13 and 17q22. Deletions involving the TP53 gene regio will show one green signal and two red signals at the MPO (17q22) region (2R1G). Gain ot 17q involving the MPO gene region at 17q22 will show three or more red signals and tw green signals at the TP53 (17p13) region. In cases with an ISO 17q chromosome the signa pattern will show three red signals for MPO (17q22) and one signal for TP53 at 17p13. Tw single color red (R) and green (G) signals will identify the normal chromosomes 17 (2R2G).			gene region 1G). Gain of als and two ne the signal 17p13. Two		
		Normal Signal Pattern	Del(17p13)	Amp (17q22)	lso 17q	
	Expected Signals	2R2G	2R1G	3+R2G	3R1G	

References:

Scheurlen WG et al, 1999, Genes Chromosomes Cancer, 25; 230-240 Bown N, 1999, N Engl J Med., 340; 1954-1961

Warning and precautions: In case of emergencies check SDS sheets for medical advice. SDS sheets may be obtained by either contacting Leica Technical Support or visiting <u>www.LeicaBiosystems.com</u>. DNA probes contain formamide which is a teratogen; do not inhale or allow skin contact. Wear gloves and a lab coat when handling DNA probes. All materials should be disposed of according to your institution's guidelines for hospital waste disposal.

Reagent Storage and Handling:	Store at 2-8 °C. Reagents should not be used after the expiration date on the vial label.
TECHNICAL SUPPORT	Technical support is available at www.LeicaBiosystems.com or +31 20 6919181 or via e-mail: keinable.com or +31 20 6919181
CUSTOMER SERVICE	Kreatech probes may be ordered through Leica Customer Service +31 20 6919181 or order via e-mail: purchase_orders@leica-microsystems.com.