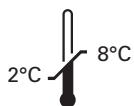


Kreatech™ FISH probes

Product Information Sheet

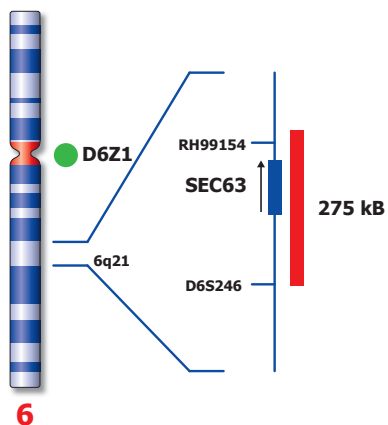
KBI-10105
6q21 / SE 6



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Not to scale

Kreatech™ 6q21 / SE 6 FISH probe

Introduction: Deletions affecting the long arm of chromosome 6 (6q) are among the most commonly observed chromosomal aberrations in lymphoid malignancies and have been identified as adverse prognostic factor in subsets of tumors. Loss of this band suggests that the critical gene(s) might be a recessive tumour suppressor gene sitting in 6q21.

Intended use: The **6q21** specific FISH probe is optimized to detect copy numbers of 6q at region 6q21. The **Satellite Enumeration (SE) 6** FISH probe is included to facilitate chromosome identification.

The probe is recommended to be used in combination with one of the Kreatech Pretreatment kits providing necessary reagents to perform FISH on various sample types for optimal results. (see also www.LeicaBiosystems.com and look for Kits & reagents)

Critical region 1 (red): The **6q21** specific FISH probe is direct-labeled with PlatinumBright™550.

Control region 2 (green): The **SE 6** specific FISH probe is direct-labeled with PlatinumBright™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 **6q21 / SE 6** FISH probe is designed as a dual-color assay to detect deletions at 6q21 by the presence of one red signal, while the control at chromosome 6 centromere will provide 2 signals (1R2G). Two single color red (R) and green (G) signals will identify the normal chromosomes 6 (2R2G).

	Normal Signal Pattern	Del(6q21)
Expected Signals	2R2G	1R2G

References: Zhang, Y, 2000, Genes, Chrom. And Canc. 27; 52-58

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 www.LeicaBiosystems.com. 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: kreatech-support@leicabiosystems.com.

CUSTOMER SERVICE Kreatech probes may be ordered through Leica Customer Service +31 20 6919181 or order via e-mail: purchase.orders@leica-microsystems.com.