

Kreatech™ FISH probes

Product Information Sheet

KI-10507

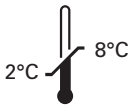
1q21 / SRD (1p36)

100 µl

DANGER



FORMAMIDE



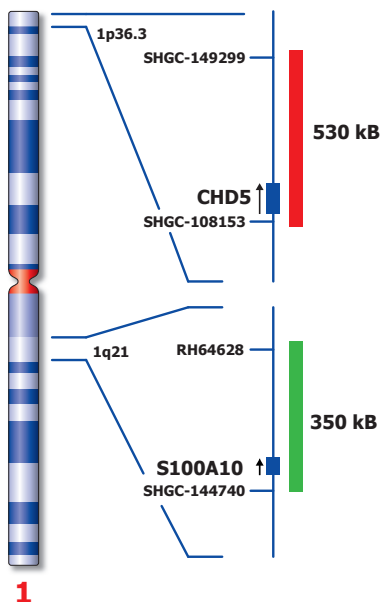
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RUO - Research Use Only

Not for use in diagnostic procedures

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Not to scale

KI-10507

Kreatech™ 1q21 / SRD (1p36) Specific FISH probe

Introduction: The **1q21** specific FISH probe is optimized to detect 1q21. The **SRD (1p36)** specific FISH probe is optimized to detect 1p at region 1p36.

Critical region 1 (red): The **1p36** specific FISH probe is direct-labeled with PlatinumBright™550.
Control region 2 (green): The **1q21** specific control 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.

Patterns: The **1q21 / SRD (1p36)** FISH probe is designed as a dual-color assay to detect duplication at 1q21. Amplification involving the 1q21 region will show three or more green signals and two red signals for the 1p36 region (2R3+G). Two single color red (R) and green (G) signals will identify the normal chromosome 1p and 1q regions (2R2G). Deletions involving the **1p36** region will show one red signal, while the 1q21 region at the chromosome 1q will provide 2 green signals (1R2G).

	Normal Signal Pattern	Amp(1q21)	Del(1p36)	Del(1q21)
Expected Signals	2R2G	2R3+G	1R2G	2R1G

References: Cremer F et al, 2005, Genes Chromosomes Cancer, 44; 194-203
Van Roy N et al, 1997, Cancer Genet. Cytogenet., 97; 135-142
Komuro H et al, 1998, J Pediatr.Surg., 33; 1695-1698

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/service-support/technical-support/ or toll free at 800-248-0123 or via e-mail: kreatech-support@leicabiosystems.com.

CUSTOMER SERVICE Kreatech probes may be ordered through Leica Customer Service toll free at 800-248-0123 or order via e-mail: purchase.orders@leica-microsystems.com.