

# Kreatech™ FISH probes

## Product Information Sheet

KI-10202

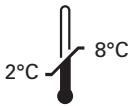
7q- (7q22; 7q36)

100 µl

**DANGER**



**FORMAMIDE**



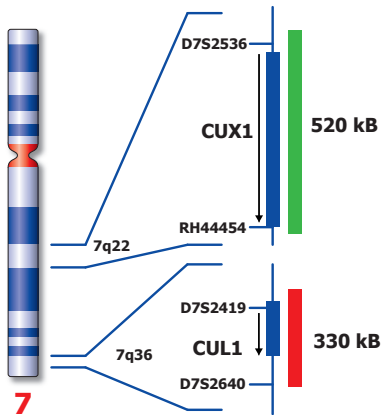
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**RUO - Research Use Only**

Not for use in diagnostic procedures

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Not to scale

KI-10202

## Kreatech™ 7q- (7q22; 7q36) FISH probe

**Introduction:** The 7q- (7q22; 7q36) FISH probe is optimized to detect 7q at 7q22 and at 7q36 simultaneously in a dual-color assay.

**Critical region 1 (red):** The 7q- (7q36) FISH probe is direct-labeled with PlatinumBright™550.  
**Critical region 2 (green):** The 7q- (7q22) 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 7q- (7q22; 7q36) FISH probe is designed as a dual-color assay to detect deletions at 7q22 and 7q36. Deletions involving both critical regions at 7q22 and 7q36 will show one red and one green signal only (1R1G). Deletions involving the region at 7q36 only will show one red signal and two green signals for the region at 7q22 (1R2G). Deletions involving the region at 7q22 only will show one green signal and two red signals for the region at 7q36 (2R1G). Two single color red (R) and green (G) signals will identify the normal chromosomes 7 (2R2G).

	Normal Signal Pattern	Del(7q22)(7q36)	Del(7q36)	Del(7q22)
Expected Signals	2R2G	1R1G	1R2G	2R1G

**References:** Kratz C et al, 2001, Genomics, 77; 171-180  
Fischer K et al, 1997, Blood, 89; 2036-2041  
Döhner K et al, 1998, Blood, 92; 4031-4035

**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](http://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/](http://www.LeicaBiosystems.com/service-support/technical-support/) or toll free at 800-248-0123 or via e-mail: [kreatech-support@leicabiosystems.com](mailto: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](mailto:purchase.orders@leica-microsystems.com).