

# Kreatech™ FISH probes

## Product Information Sheet

KI-10207

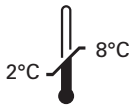
7q- (7q22; 7q36) / SE 7 Triple-Color

100 µl

**DANGER**



**FORMAMIDE**



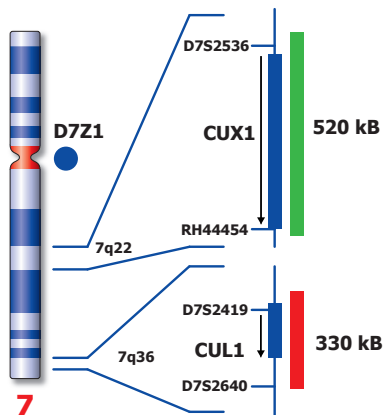
**Kreatech Biotechnology B.V.**  
Vlierweg 20  
1032 LG Amsterdam  
The Netherlands  
[www.LeicaBiosystems.com](http://www.LeicaBiosystems.com)

**RUO - Research Use Only**

Not for use in diagnostic procedures

PI-KI-10207\_D3.1

Published August 2015



Not to scale

## Kreatech™ 7q- (7q22; 7q36) / SE 7 Triple-Color FISH probe

**Introduction:** The **7q-** specific FISH probe is optimized to detect 7q at 7q22 and at 7q36 simultaneously in a Triple-Color assay. The **Satellite Enumeration (SE) 7** FISH probe is included to facilitate chromosome identification.

**Critical region 1 (red):** The **7q- (7q36)** specific FISH probe is direct-labeled with PlatinumBright™550.

**Critical region 2 (green):** The **7q- (7q22)** specific FISH probe is direct-labeled with PlatinumBright™495.

**Control region (blue):** The **SE 7** specific FISH probe is direct-labeled with PlatinumBright™415.

**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 probes do not contain Cot-1 DNA. Hybridization efficiency is therefore increased and background, due to unspecific binding, is highly reduced.**

**Patterns:** The **7q- (7q22; 7q36) / SE 7 Triple-Color** FISH probe is designed as a triple-color assay to detect deletions at 7q22 and 7q36. Deletions involving both critical regions at 7q22 and 7q36 will show one red, one green and 2 blue signals at 7cen (1R1G2B). Deletions involving the region at 7q36 only will show one red, two green, and two blue signals for the region at 7q22 and 7cen (1R2G2B). Deletions involving the region at 7q22 only will show one green, two red and two blue signals for the region at 7q36 and 7cen (2R1G2B). Two single color red (R), green (G), and blue (B) signals will identify the normal chromosomes 7 (2R2G2B).

	Normal Signal Pattern	Del(7q22)(7q36)	Del(7q36)	Del(7q22)
Expected Signals	2R2G2B	1R1G2B	1R2G2B	2R1G2B

**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).