

# Kreatech™ FISH probes

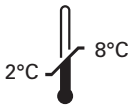
## Product Information Sheet

KI-10405  
dic(9;20) Triple-Color  
100 µl

**DANGER**



**FORMAMIDE**



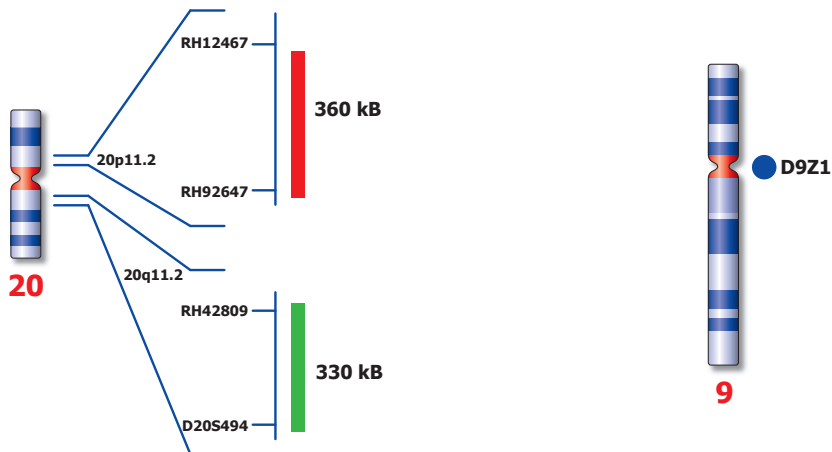
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**RUO - Research Use Only**

Not for use in diagnostic procedures

PI-KI-10405\_D2.1

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Not to scale

KI-10405

## Kreatech™ dic(9;20) Triple-Color FISH probe

**Introduction:** The **dic(9;20) Triple-Color** FISH probe is optimized to detect the dicentric (9;20) (p13.2;q11.2) in a triple-color assay.

**Region 1 (red):** The **20p11.2** specific FISH probe covering the region between marker RH12467 and RH92647 is direct-labeled with PlatinumBright™550.

**Region 2 (green):** The **20q11.2** specific FISH probe covering the region between marker RH42809 and D20S494 is direct-labeled with PlatinumBright™495.

**Region 3 (blue):** The **Satellite Enumeration (SE) 9** satellite 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 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.**

**Pattern:** The **dic(9;20) Triple-Color** FISH probe is designed as a Triple Color assay to detect the dic(9;20) (p13.2;q11.2). The dic(9;20) chromosome is observed as a colocalization of the red (R) signal of 20p11 and blue (B) signal of centromere 9. The green (G), red and blue signals identify the normal chromosome 20 and 9. A +20 BCP-ALL case will give in addition two red signals of the two normal chromosomes 20.

	Normal	dic(9;20)	dic(9;20) +20
Expected signals	2R2G2B	1RB1R1G1B	1RB2R2G1B

**References:** Forestier et al., Genes Chromosomes Cancer, 2008, 47: 149-158  
Pichler H et al., Br J Haematol, 2010, 149: 93-100  
Schmiegelow K et al. Leukemia 2010; 24: 345–54.  
Zachariadis V et al., Leukemia, 2011, 25: 22-628  
Zachariadis V et al. Br J Haematol, 2012, 159: 488–491.

**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).