

Kreatech™ FISH probes Product Information Sheet

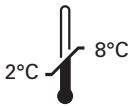
KI-10008

BCR/ABL1 t(9;22,) Dual-Color, Single-Fusion,
Extra-Signal
100 µl

DANGER



FORMAMIDE



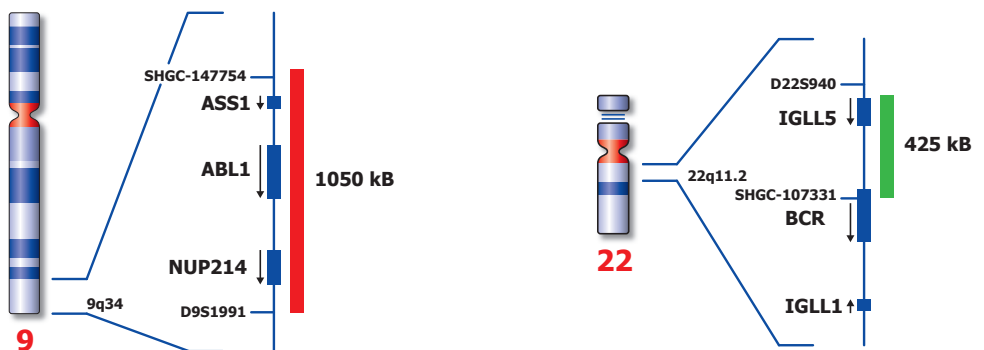
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RUO - Research Use Only

Not for use in diagnostic procedures

PI-KI-10008_D2.1

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Not to scale

KI-10008

Kreatech™ BCR/ABL1 t(9;22) Dual-Color, Single-Fusion, Extra-Signal FISH probe

Introduction: The **BCR/ABL1 t(9;22) Dual-Color, Single-Fusion, Extra-Signal** FISH probe is optimized to detect the t(9;22)(q34;q11) reciprocal translocation in a dual-color, single-fusion, extra-signal assay.

Critical region 1 (red): Sequences flanking the **ABL1 (9q34)** gene region are direct-labeled in red with PlatinumBright™550.

Critical region 2 (green): Sequences flanking the proximal **BCR (22q11)** gene region are direct-labeled in green 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 **BCR/ABL1 t(9;22) Dual-Color, Signal-Fusion, Extra-Signal** FISH probe is designed as a single-fusion probe to detect the t(9;22) by one co-localized red/green (yellow) fusion signal (F). A smaller extra red signal will identify the rearranged chromosome 9. Single color red (R) and green (G) signals will identify the normal chromosomes 9 and 22.

Signal patterns other than those described above may indicate variant translocations, deletions on der(9), der(22), double Ph chromosome or other complex rearrangements. Investigators are advised to analyze metaphase cells for the interpretation of atypical signal patterns.

	Normal Signal Pattern	t(9;22) BCR/ABL1
Expected Signals	2R2G	1F1r1R1G

References: Kolomietz et al., 2001. Blood 97; 3581-3588
Huntly et al. 2003, Blood 102; 1160-1168

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.