

Kreatech™ FISH probes

Product Information Sheet

KI-10749

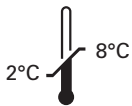
MYC (8q24) Triple-Color, Break (tissue)

100 µl

DANGER



FORMAMIDE



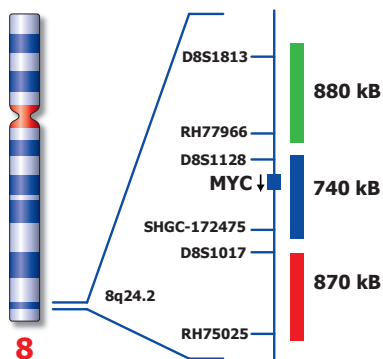
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RUO - Research Use Only

Not for use in diagnostic procedures

PI-KI-10749_D2.1

Published Oct 2015



Not to scale

KI-10749

Kreatech™ MYC (8q24) Triple-Color, Break (tissue) FISH probe

Introduction: The **MYC (8q24) Triple-Color, Break (tissue)** FISH probe is optimized to detect rearrangements involving the 8q24 locus in a triple-color, split assay on paraffin embedded tissue sections.

Critical region 1 (green): The **proximal MYC (8q24)** specific FISH probe is direct-labeled with PlatinumBright™495.
Critical region 2 (blue): The **MYC (8q24)** specific FISH probe is direct-labeled with PlatinumBright™415.
Critical region 3 (red): The **distal MYC (8q24)** specific FISH probe is direct-labeled with PlatinumBright™550.

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 **MYC (8q24) Triple-Color, Break (tissue)** FISH probe is designed as a triple-color split probe to detect rearranged chromosomes 8. A split or break is defined when a green/red/blue or pink fusion signal (F) splits into separate red/blue and green/blue or green and red/blue or green/blue and red signals. Only signals which are more than one signal diameter apart from each other are counted as a break. Co-localized green/blue/red or pink signals identify the normal chromosome(s) 8.

Signal patterns other than those described above may indicate variant translocations, deletions or amplifications on der(8) or other complex rearrangements. Investigators are advised to analyze metaphase cells for the interpretation of atypical signal patterns.

	Normal Signal Pattern	8q24 Break	8q24 Proximal Break	8q24 Distal Break
Expected Signals	2F (GBR)	1F1GB1RB	1F1G1RB	1F1GB1R

References: Fabris et al, 2003, Genes Chromosomes Cancer 37; 261-269
Hummel et al., 2006, N Engl J Med 354; 2419-30.

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.