

Kreatech™ FISH probes

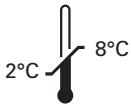
Product Information Sheet

KI-10704

TERC (3q26) / MYC (8q24) / SE 7 Triple-Color
100 µl



FORMAMIDE



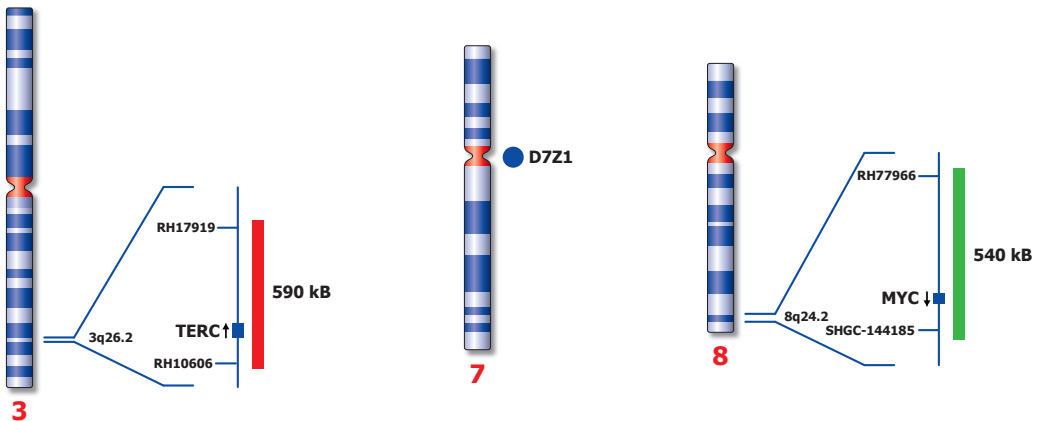
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RUO - Research Use Only

Not for use in diagnostic procedures

PI-KI-10704_D2.1

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Not to scale

Kreatech™ TERC (3q26) / MYC (8q24) / SE 7, Triple-Color FISH probe

Introduction: The **TERC (3q26)** specific FISH probe is optimized to detect the TERC gene region at region 3q26. The **MYC (8q24)** specific FISH probe is optimized to detect the MYC gene region at 8q24. The **Satellite Enumeration (SE) 7** specific FISH probe is included as aneuploidy control.

Critical region 1 (red): The **TERC (3q26)** specific FISH probe is direct-labeled with PlatinumBright™550.
Critical region 2 (green): The **MYC (8q24)** specific FISH probe is direct-labeled with PlatinumBright™495.
Control region (blue): The **SE 7** 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.

Interpretation: The **TERC (3q26) / MYC (8q24) / SE 7, Triple-Color** FISH probe is designed as a Triple-Color assay to detect amplifications at 3q26 and 8q24. Amplifications involving the TERC gene region at 3q26 will show three or more red signals and two signals for MYC at 8q24 and the 7cen probe. Amplifications involving the MYC gene region at 8q24 will show three or more green signals and two signals for TERC at 3q26 and the 7cen probe. Amplifications involving both the TERC region at 3q26 and MYC region at 8q24 will show three or more red and green signals and two signals for the 7cen probe in blue. Two single color red (R), green (G), and blue (B) signals will identify the normal chromosomes 3, 8, and 7 (2R2G2B).

	Normal Signal Pattern	Amp(3q26)	Amp(8q24)	Amp(3q26;8q24)
Expected Signals	2R2G2B	3+R2G2B	2R3+G2B	3+R3+G2B

References: Soder AI et al, 1997, Oncogene, 14; 1013-1021
Hopman A et al, 2006, J of Pathol, 210; 412-419

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.