

Kreatech™ FISH probes

Product Information Sheet

KI-10108

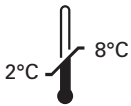
ATM (11q22) / GLI1 (12q13)

100 µl

DANGER



FORMAMIDE



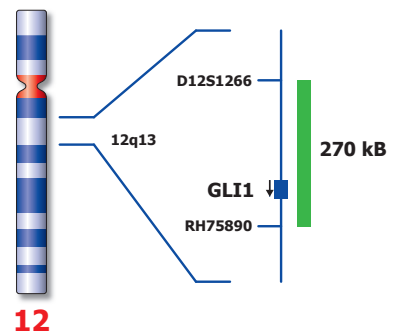
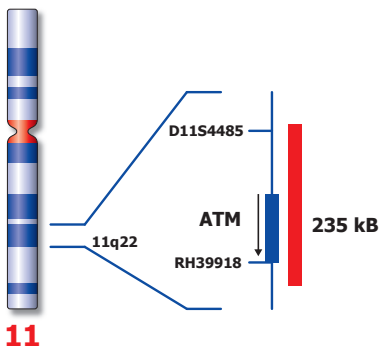
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RUO - Research Use Only

Not for use in diagnostic procedures

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Not to scale

KI-10108

Kreatech™ ATM (11q22) / GLI1 (12q13) FISH probe

Introduction: The **ATM (11q22)** specific FISH probe is optimized to detect the ATM gene region at 11q22.
The **GLI1 (12q13)** specific FISH probe is optimized to detect the GLI1 gene region at 12q13.

Critical region 1 (red): The **ATM (11q22)** specific FISH probe is direct-labeled with PlatinumBright™550.
Critical region 2 (green): The **GLI1 (12q13)** specific FISH probe is direct-labeled 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 **ATM (11q22) / GLI1 (12q13)** FISH probe is designed as a dual-color assay to detect deletions at 11q22 and amplifications at 12q13. Deletions involving the ATM gene region will show one red signal and two green signals for the GLI1 region at 12q13 (1R2G). Amplifications involving the GLI1 gene region will show three or more green signals and two red signals for the ATM region at 11q22 (2R3+G). Deletions and Amplifications involving both critical regions at 11q22 and 12q13 will show one red and three or more green signals (1R3+G). Two single color red (R) and green (G) signals will identify the normal chromosomes 11 and 12 (2R2G).

	Normal Signal Pattern	Del(11q22)	Amp (12q13)
Expected Signals	2R2G	1R2G	2R3+G

References: Boultonwood J, 2001, J. Clin. Pathol., 54; 512-516
Dierlamm J et al, 1998, Genes Chromosomes Cancer, 20; 155-166

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.