

Kreatech™ FISH probes

Product Information Sheet

KI-10720

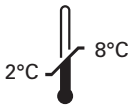
AR (Xq12) / SE X

100 µl

DANGER



FORMAMIDE



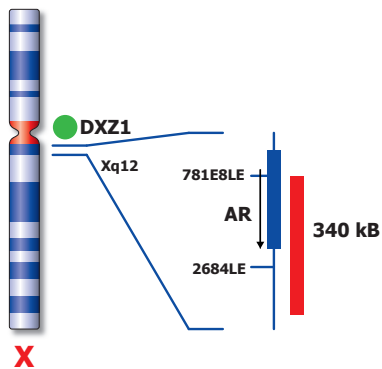
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RUO - Research Use Only

Not for use in diagnostic procedures

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Not to scale

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Kreatech™ AR (Xq12) / SE X FISH probe

Introduction: The **AR (Xq12)** specific FISH probe is optimized to detect the AR gene region at region Xq12. The **Satellite Enumeration (SE) X** FISH probe is included to facilitate chromosome identification.

Critical region 1 (red): The **AR (Xq12)** gene region probe is direct-labeled with PlatinumBright™550.
Control region (green): The **SE X** 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 **AR (Xq12) / SE X** FISH probe is designed as a dual-color assay to detect amplification at Xq12. Amplification involving the AR gene region at Xq12 will show several red signals, while the control at the chromosome X centromere region will provide 2 signals in females and one signal in males.

Two single color red and green signals will identify the normal chromosomes X in females (2R2G). One single color red and green signal will identify the normal chromosome X in males (1R1G).

	Normal Signal Pattern	Amp Xq12
Expected Signals In Females	2R2G	3+R2G
Expected Signals In Males	1R1G	2+R1G

References: Visakorpi T et al, 1995, Nat. Genet. 9; 401-406.
Koivisto P et al, 1997, Cancer Res. 57 ; 314-319.

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.