

Kreatech™ FISH probes

Product Information Sheet

KI-40108

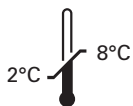
XIST (Xq13) / SE X

100 µl

DANGER



FORMAMIDE



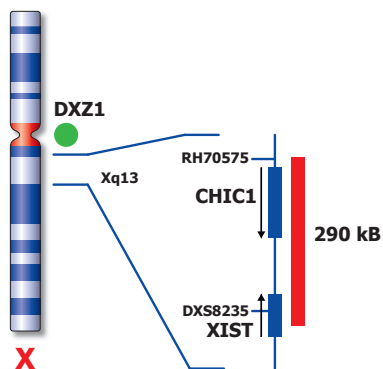
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RUO - Research Use Only

Not for use in diagnostic procedures

PI-KI-40108_D2.1

Published Sept 2015



Not to scale

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Kreatech™ XIST (Xq13) / SE X FISH probe

Introduction: The **XIST (Xq13)** specific FISH probe is optimized to detect the XIST (DXS1089, swd66) region at Xq13. The **Satellite Enumeration (SE) X** FISH probe is added to facilitate chromosome identification.

Critical region 1 (red): The **XIST (Xq13)** specific FISH 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 **XIST (Xq13) / SE X** FISH probe is designed as a dual-color assay to detect deletions at Xq13. Deletions involving the XIST region will show one red signal and two green signals at the chromosome X centromere control region (1R2G) in females. Two single color red and green signals will identify the normal chromosomes X (2R2G).

	Normal Signal Pattern	Del(Xq13)
Expected Signals Female	2R2G	1R2G
Expected Signals Male	1R1G	Not Expected*

*however, in 47, XXY 1R2G is possible

References: Le Caignec et al, 2003, Prenatal Diagnosis; 23(2); 143-145

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.