

# Kreatech™ FISH probes

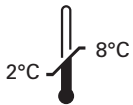
## Product Information Sheet

KI-40108  
XIST (Xq13) / SE X  
100 µl

**DANGER**



**FORMAMIDE**



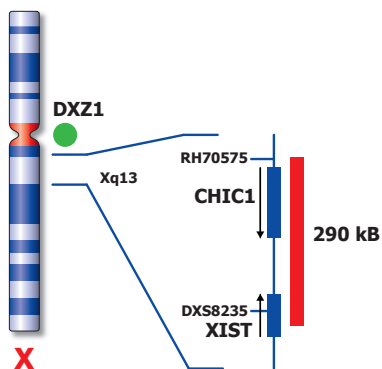
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**RUO - Research Use Only**

Not for use in diagnostic procedures

PI-KI-40108\_D2.1

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Not to scale

KI-40108

## 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](http://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/](http://www.LeicaBiosystems.com/service-support/technical-support/) or toll free at 800-248-0123 or via e-mail: [kreatech-support@leicabiosystems.com](mailto: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](mailto:purchase.orders@leica-microsystems.com).