

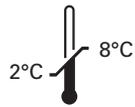
# Kreatech™ FISH probes

## Product Information Sheet

KI-10715  
FUS (16p11) Break  
100 µl



**FORMAMIDE**



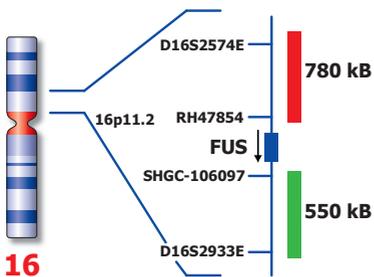
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**RUO - Research Use Only**

Not for use in diagnostic procedures

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Not to scale

## Kreatech™ FUS (16p11) Break FISH probe

**Introduction:** The **FUS (16p11) Break** FISH probe is optimized to detect translocations involving the FUS gene region at 16p11 in a dual-color, split assay.

**Critical region 1 (red):** The **distal FUS** gene region probe is direct-labeled with PlatinumBright™ 550.  
**Critical region 2 (green):** The **proximal FUS** gene region 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 **FUS (16p11) Break** FISH probe is designed as a dual-color split probe for translocations at 16p11. A break is defined when a red/green or yellow fusion signal (F) splits into separate red and green signals. Only red and green signals which are more than one signal diameter apart from each other are counted as a break. Co-localized red/green or yellow signals identify the normal chromosome(s) 16.

Signal patterns other than those described above may indicate variant translocations or other complex rearrangements. Investigators are advised to analyze metaphase cells for the interpretation of atypical signal patterns.

	Normal Signal Pattern	16p11 Split
Expected Signals	2F	1F1R1G

**References:** Panagopoulos et al, 1997, Oncogene 15; 1357-1362  
 Mertens et al, 2005, Lab Invest 85; 408-415

**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).