

## Kreatech™ FISH probes Product Information Sheet

KI-10751

EWSR1/NFATC2 t(20;22) Dual-Color, Single-Fusion  
Fusion  
100 µl

**DANGER**



**FORMAMIDE**



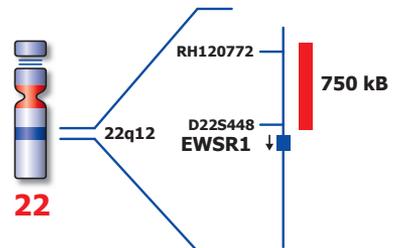
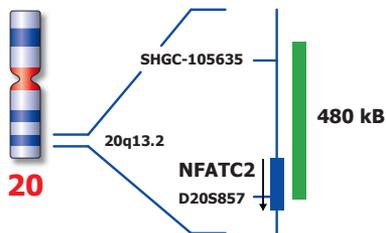
**Kreatech Biotechnology B.V.**  
Vlierweg 20  
1032 LG Amsterdam  
The Netherlands  
[www.LeicaBiosystems.com](http://www.LeicaBiosystems.com)

**RUO - Research Use Only**

Not for use in diagnostic procedures

PI-KI-10751\_D2.1

Published Oct 2015



Not to scale

KI-10751

## Kreatech™ EWSR1/NFATC2 t(20;22) Dual-Color, Single-Fusion FISH probe

**Introduction:** The **EWSR1/NFATC2 t(20;22) Dual-Color, Single-Fusion** FISH probe is optimized to detect the translocation t(20;22) (q13;q12) in a dual-color, single-fusion assay.

**Critical region 1 (red):** The **proximal EWSR1** gene region probe is direct-labeled with PlatinumBright™550.

**Critical region 2 (green):** The **proximal NFATC2** 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 **EWSR1 / NFATC2 t(20;22) Dual-Color, Single-Fusion** FISH probe is designed as a dual-color single fusion probe to detect the t(20;22) (q13;q12) translocation. A fusion is defined as a fusion of separate red and green signals into a red/green or yellow fusion signal (F). Only red and green signals which are less than one signal diameter apart from each other are counted as a fusion. Single red and green signals identify the normal chromosome(s) 20 and 22.

Signal patterns other than those described above may indicate variant translocations, deletions on der(20), der(22) or other complex rearrangements. Investigators are advised to analyze metaphase cells for the interpretation of atypical signal patterns.

	Normal Signal Pattern	t(20;22)
Expected Signals	2R2G	1F1R1G

**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).