

# Kreatech™ FISH probes

## Product Information Sheet

KI-40105

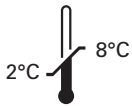
DiGeorge II (10p14) / SE 10

100 µl

**DANGER**



**FORMAMIDE**



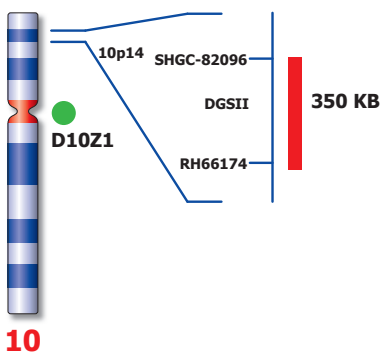
**Kreatech Biotechnology B.V.**  
Vlierweg 20  
1032 LG Amsterdam  
The Netherlands  
[www.LeicaBiosystems.com](http://www.LeicaBiosystems.com)

**RUO - Research Use Only**

Not for use in diagnostic procedures

PI-KI-40105\_D2.1

Published Sept 2015



Not to scale

KI-40105

## Kreatech™ DiGeorge II (10p14) / SE 10 FISH probe

**Introduction:** The **DiGeorge II (10p14)** region probe is optimized to detect the DGS2 DiGeorge critical region gene 2) at 10p14.  
The **Satellite Enumeration (SE) 10** FISH probe is included to facilitate chromosome identification.

**Critical region 1 (red):** The **DiGeorge II (10p14)** specific FISH probe is direct-labeled with PlatinumBright™550.  
**Control region 2 (green):** The **SE 10** 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 **DiGeorge II (10p14) / SE 10** FISH probe is designed as a dual-color assay to detect deletions at 10p14. Deletions involving the 10p14 will show one red signal and two green signals at the chromosome 10 centromere control region (1R2G). Two single color red and green signals will identify the normal chromosomes 10 (2R2G)

	Normal Signal Pattern	Del(10p14)
Expected Signals	2R2G	1R2G

**References:** Berend S et al, 2000, Am. J. Med. Genet. 91; 313-317  
Lichtner P et al, 2000, J. Med. Genet., 37; 33-37

**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).