

Kreatech™ FISH probes Product Information Sheet

KI-40002
RCAN1 (21q22)

100 µl

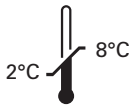
Analyte Specific Reagent

Analytical and performance characteristics are not established

DANGER



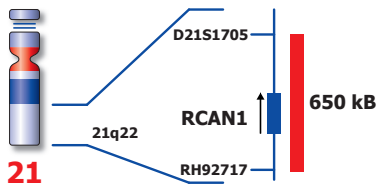
FORMAMIDE



Kreatech Biotechnology B.V.
Vlierweg 20
1032 LG Amsterdam
The Netherlands
www.LeicaBiosystems.com

PI-KI-40002_D2.1

Published Oct 2015



Not to scale

KI-40002

Kreatech™ RCAN1 (21q22) FISH probe

- Introduction:** The **RCAN1 (21q22)** FISH probe is optimized to detect chromosome 21 at 21q22.
- Critical region 1 (red):** The **RCAN1 (21q22)** FISH probe is direct-labeled with PlatinumBright™550.
- Reagent:** The **RCAN1 (21q22)** FISH probe is a direct-labeled DNA probe provided at one time the concentration than the amount of DNA probe used in the QC test procedure

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 **RCAN1 (21q22)** FISH probe is designed as a single-color assay to detect gains of chromosome 21. Trisomy 21 will be detected by three red signals at the 21q22 region. Two single color red (R) signals will identify the normal chromosomes 21 (2R).

	Normal Signal Pattern	Trisomy 21
Expected Signals	2R	3R

- References:** Korenberg J. et al, 1994, Proc. Nat. Acad. Sci. 91; 4997-5001
Spathas D et al, 1994, Prenat Diagn. 14(11); 1049-1054
Tepperberg et al, 2001, Prenat Diagn 21(4); 293-301

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.