Kreatech™ FISH probes

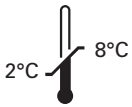
Product Information Sheet

KBI-20001-20028

Satellite Enumeration Probes

IVD

CE



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

PI-KBI-20001-20028_D1.1

Published March 2015

Kreatech™ SE FISH probes

Introduction:

SE (Satellite Enumeration) FISH probes consist of sets of labeled repetitive satellite DNA sequences isolated from the pericentric heterochromatin of chromosomes and Yq12.They allow specific chromosome analysis, marker chromosome identification and the detection of aneuploidy. SE probes can be used in all aspects of routine and diagnostic work in genetics and oncology/pathology.

Intended use:

SE probes are optimized to detect repetitive sequences located in the pericentric heterochromatin of chromosomes and on Yq12

The probe is recommended to be used in combination with one of the Kreatech Pretreatment kits providing necessary reagents to perform FISH on various sample types for optimal results. (see also www.LeicaBiosystems.com and look for Kits & reagents)

Reagent:

Kreatech **SE** probes are direct-labeled DNA probes provided in a concentrated format in a choice of the following fluorophores:

Platinum*Bright*™495	Green
Platinum*Bright*™550	Red
Platinum*Bright*™415	Blue

For FISH the probes need to be diluted with the supplied hybridization buffer (FHB). For hybridization use 2 parts of probe + 8 parts of FISH Hybridization Buffer.
To mix several Satellite Enumeration Probes replace 2 parts of FHB with 2 parts of another probe
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.

KBI-20001-20028

Product Code	Description	Colour	Conc	Nr of test
KBI-20001	SE 1 (1qh)	red, green of blue	5x	10
KBI-20002	SE 2 (D2Z)	red, green of blue	5x	10
KBI-20003	SE 3 (D3Z1)	red, green of blue	5x	10
KBI-20004	SE 4 (D4Z1)	red, green of blue	5x	10
KBI-20006	SE 6 (D6Z1)	red, green of blue	5x	10
KBI-20007	SE 7 (D7Z1)	red, green of blue	5x	10
KBI-20008	SE 8 (D8Z1)	red, green of blue	5x	10
KBI-20009	SE 9 (classical)	red, green of blue	5x	10
KBI-20010	SE 10 (D10Z1)	red, green of blue	5x	10
KBI-20011	SE 11 (D11Z1)	red, green of blue	5x	10
KBI-20012	SE 12 (D12Z3)	red, green of blue	5x	10
KBI-20015	SE 15 (D15Z)	red, green of blue	5x	10
KBI-20016	SE 16 (D16Z2)	red, green of blue	5x	10
KBI-20017	SE 17 (D17Z1)	red, green of blue	5x	10
KBI-20018	SE 18 (D18Z1)	red, green of blue	5x	10
KBI-20020	SE 20 (D20Z1)	red, green of blue	5x	10
KBI-20023	SE X (DXZ1)	red, green of blue	5x	10
KBI-20024	SE Y (DYZ3)	red, green of blue	5x	10
KBI-20025	SE Y class. q arm	red, green of blue	5x	10
KBI-20026	SE 1/5/19	red, green of blue	5x	10
KBI-20027	SE 13/21	red, green of blue	5x	10
KBI-20028	SE 14/22	red, green of blue	5x	10

Interpretation: **SE** FISH probes are targeted to cover the centromeric region of individual or several chromosomes. Gain of chromosomes will be observed by additional signals, loss of chromosomes by lack of the SE specific signal. In normal cells two signals will be visible for autosomes and the X chromosome in females, while in males one signal for the X and Y chromosome will be visible.

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 or +31 20 6919181 or via e-mail: kreatech-support@leicabiosystems.com.

CUSTOMER SERVICE Kreatech probes may be ordered through Leica Customer Service +31 20 6919181 or order via e-mail: purchase.orders@leica-microsystems.com.