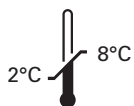


Kreatech™ FISH probes

Product Information Sheet

KBI-20031

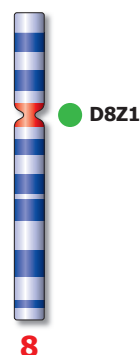
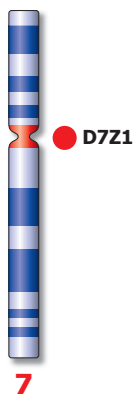
SE 7 (D7Z1) / SE 8 (D8Z1)



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Not to scale

Kreatech™ SE 7 (D7Z1) / SE 8 (D8Z1) Probe

Introduction: SE (Satellite Enumeration) probes consist of sets of highly repetitive satellite DNA sequences located at the pericentric heterochromatin of chromosomes. 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: The SE 7 (D7Z1) / SE 8 (D8Z1) FISH probes are optimized to detect repetitive sequences located in the pericentric heterochromatin of chromosome 7 and 8.

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)

Critical region 1 (red): The SE 7 (D7Z1) probe at 7p11.1-q11.1 is direct-labeled with PlatinumBright™550.
Critical region 2 (green): The SE 8 (D8Z1) probe at 8p11.1-q11.1 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.

Interpretation: SE FISH probes in general will 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 each chromosome 7 (red) and chromosome 8 (green).

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.