

TECHNICAL TIPS OF THE MONTH

May 2009



Are Kreatech Diagnostic Satellite probes made Repeat-Free? Do I have to use KREAcot before hybridization?

Kreatech Satellite DNA probes are not repeat-free. In fact, they are designed to specifically recognize the highly repetitive sequences present at the centromeric region of each chromosome, so the repeat-free technology in this case is not applicable. They don't need KREAcot to block unspecific hybridization during FISH analysis, as the probes recognize unique repeat sequences present at each chromosome.

Can I hybridize more than one centromere at the time?

Yes, and for this reason Kreatech Satellite DNA probes are supplied in a concentrated format, to allow hybridization of up to 5 probes at the time. Please remember that satellite probes share some degree of homology, and too high concentration can affect fidelity of base pairing. So, we recommend to use high level of stringent conditions and to dilute them before use.