Now compatible with non-FFPE specimens

IQFISH Fast Hybridization Buffer works with FFPE, blood and bone marrow specimens, delivering fast hybridization and high quality results. Image 5 (right) is a PML-RARA dual fusion probe hybridized to cultured bone marrow cells for 1.5hrs using IQFISH Fast Hybridization Buffer.

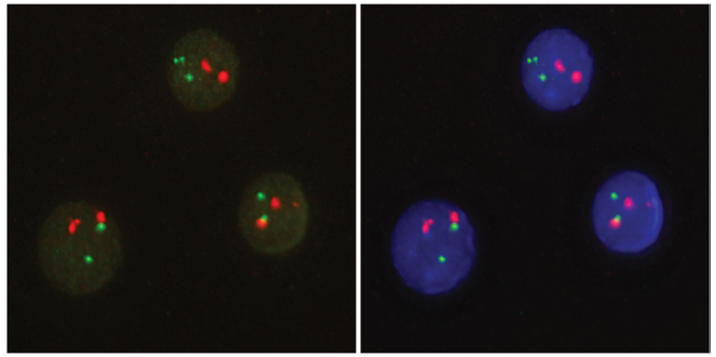

Image 5. A PML-RARA dual fusion probe hybridized to bone marrow cells for 1.5 hours using IQFISH Fast Hybridization Buffer.

Ordering Information

Part Number	Product Description	Volume
G9415A	IQFISH Fast Hybridization Buffer 200	200 µL/vial (20 tests)
G9416A	IQFISH Fast Hybridization Buffer 200x6	6x200 µL/vial; 6 vials

For Laboratory Use Only.

To learn more, scan the QR code or visit
www.agilent.com/genomics/surefish

Printed in USA, May 16, 2014
5991-4294EN

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ACCELERATING PROGRESS IS IN OUR GENES

IQFISH FAST HYBRIDIZATION BUFFER

High quality, half day sample-to-result for FISH tests

- Fast Results
- High Quality Signal
- Compatible with FFPE and blood/bone marrow samples

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How IQFISH buffer enables fast hybridization

Standard formamide based FISH hybridization buffer lowers melting temperature by attacking hydrogen bonds and interfering DNA base pairing. The interference slows down base pairing between FISH probe and specimen DNA. IQFISH buffer destabilizes DNA helix by diminishing hydrophobic stacking of bases. Minimized base pairing interference enables fast binding between FISH probe and specimen DNA. (Image 1)

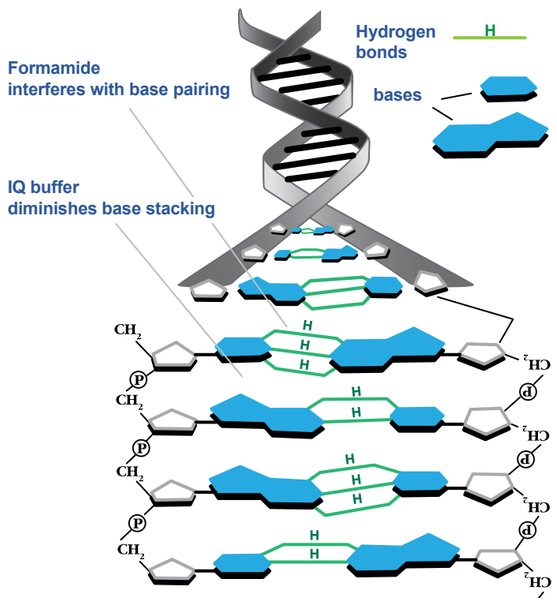

Image 1. Minimized base pairing interference enables fast binding between FISH probe and specimen DNA to enable 1-2 hour hybridization.

Fast Results. IQFISH enables 1-2 hour hybridization for quick sample-to-reporting for FISH testing

IQFISH Fast Hybridization Buffer's 1-2 hour hybridization enables a half day sample-to-result workflow. This workflow offers operational excellence, great average turnaround time, same day repeat testing, and Friday testing without weekend staffing. (Image 2)

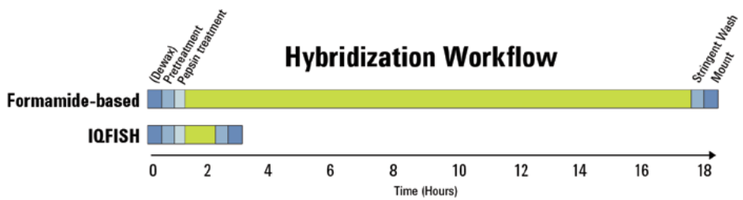

Image 2. Comparison between formamide and IQFISH buffer based workflows.

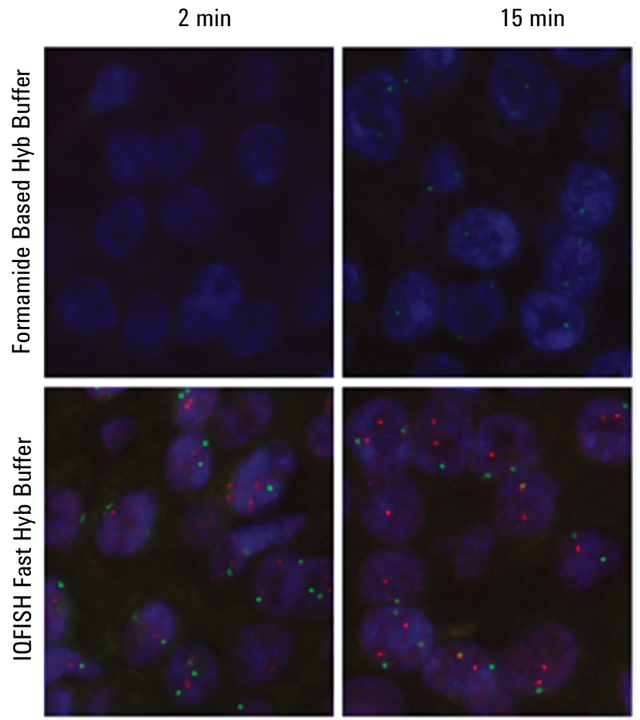

Image 3. Comparison of formamide-based and IQFISH buffers. A Her2/CEN-17 probe on FFPE breast carcinoma tissue 2 minutes and 15 minutes hybridization after co-denaturation. Samples visualized on an epi-fluorescent microscope.

IQFISH hybridization enables visible signal instantly

As shown in Image 3 (left) IQFISH hybridization enables visible signal instantly. Shown is a Her2/CEN-17 probe on FFPE breast carcinoma tissue. Hybridization was stopped by stringent wash buffer, 2 minutes and 15 minutes after co-denaturation.

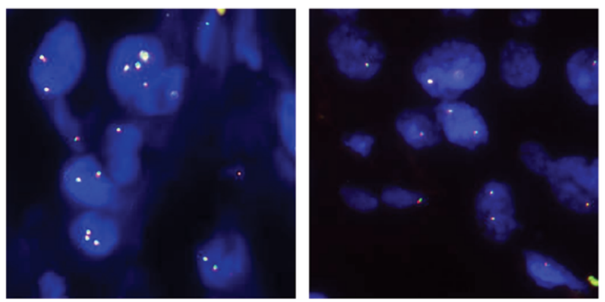

Image 4A: ALK IQFISH 1.5hr hyb Image 4B: RET IQFISH 1.5hr hyb

Image 4A and 4B. 1.5 hour hybridization with IQFISH fast hybridization buffer on FFPE lung adenocarcinoma, using an ALK and RET break-apart FISH probes.

High Quality Signal

IQ FISH fast hybridization buffer enables fast hybridization with minimal loss in signal quality.

Optimal signal strength is reached after 2 hour hybridization. Image 4A and B (left) shows 1.5hr hybridization with IQFISH fast hybridization buffer on FFPE lung adenocarcinoma, using an ALK and RET break-apart FISH probes, followed by visualization on an epi-fluorescent microscope.