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NEW YORK CITY, NY, UNITED STATES, February 10, 2025 /EINPresswire.com/ -- Creative Bioarray is proud to announce the expansion of its cutting-edge laboratory services with the introduction of Multicolor FISH (M-FISH) assays, a revolutionary approach for the precise assessment of complex chromosomal rearrangements. This advanced technology employs whole-chromosome painting probes in multiplex fluorescence in situ hybridization (FISH) and spectral karyotyping, allowing for the simultaneous visualization of all 24 human chromosomes in a single hybridization experiment.

M-FISH provides an unparalleled level of detail and accuracy, essential for identifying marker chromosomes, complex chromosomal rearrangements, and various numerical aberrations. Unlike traditional FISH methods, which may only reveal a limited view of chromosomal structures, M-FISH streamlines the analysis process, facilitating rapid chromosome separation and classification. As a result, researchers and clinicians can navigate through complex genetic information with increased ease and efficiency, significantly speeding up their workflow.

“We are excited to incorporate M-FISH technology into our suite of diagnostic tools,” said Hannah Cole, the marketing director at Creative Bioarray. “Its ability to visualize all chromosomes in a single experiment means we can provide a comprehensive analysis that empowers our clients with reliable insights. This is particularly crucial for applications where subtle chromosomal changes can impact diagnosis and treatment plans.”

The versatility of M-FISH is key to its value in both research and clinical settings. The technique excels in detecting chromosomal rearrangements that are often subtle and easily overlooked by conventional methods. Creative Bioarray’s expert team is equipped to interpret M-FISH images with precision, ensuring that even complex aberrations are accurately identified and reported. This enhanced analytical capability enhances diagnostic accuracy, leading to better-informed decisions in patient care and research initiatives.

Moreover, the simple and efficient analysis workflow associated with M-FISH reduces the potential for human error, further boosting the reliability of results. With a commitment to quality and innovation, Creative Bioarray continues to lead the way in genetic testing, ensuring

that healthcare providers have access to the most advanced tools for understanding genetic information.

In a field where precision is paramount, M-FISH stands out as a transformative solution in cytogenetic analysis. Creative Bioarray is dedicated to enhancing the understanding of chromosomal dynamics and supporting the diagnostic needs of our clients. Interested parties are encouraged to reach out for more information about how M-FISH can be integrated into their research or clinical practice.

About Creative Bioarray

Creative Bioarray is a leading provider of advanced life science research tools. With a focus on innovation and customer excellence, Creative Bioarray offers a wide range of services and products designed to support researchers and clinicians in their quest for better health outcomes.

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