

Immunofluorescent staining within hours, not days

AMS BIO has launched CellO-IF

– an **all-in-one immunofluorescent staining reagent kit** designed to accelerate the **labelling organoids and spheroids** directly in hydrogels or extracellular matrices, while preserving delicate structures and cellular integrity.

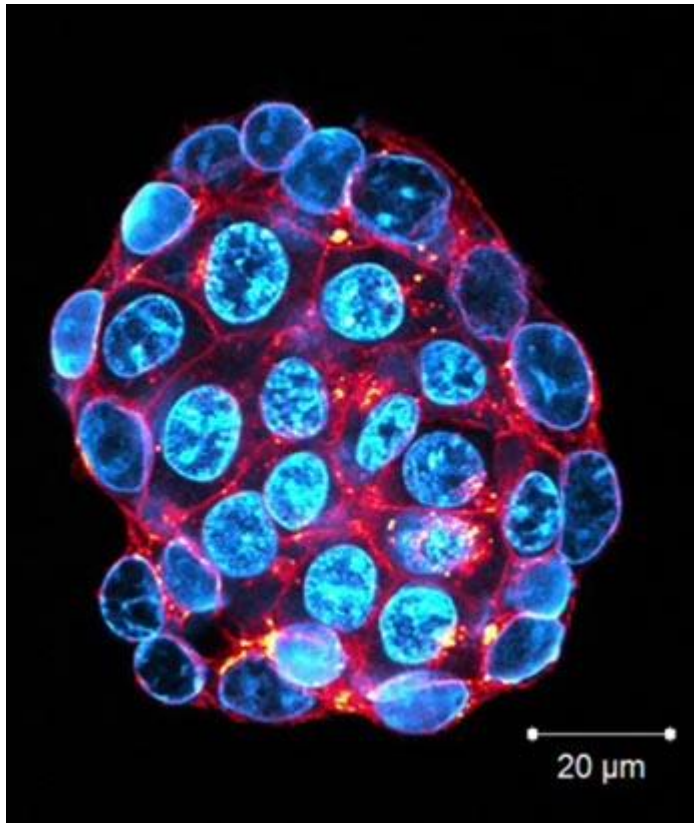


Image captions: A: Liver cancer spheroid stained using CellO-IF technology.;

Immunofluorescence (IF)

allows detection and localization of antigens in diverse types of tissues in various cell preparations. The technique provides excellent sensitivity and amplification of signal by comparison to immunohistochemistry. However, traditional IF staining is a labor intensive, multi-step process. **CellO-IF revolutionizes this** by streamlining the procedure.

CellO-IF

eliminates the need for harvesting, clearing, transferring, and centrifuging, significantly reducing sample loss, and generating high-quality data within hours. This simplified workflow not only accelerates your research but also delivers unparalleled 3D preservation of the natural structure of samples, enhancing the accuracy of your results.

Providing e

nhanced antigen visualization, Cello-IF not only routinely provides stunning high-resolution images but also has been proven to help with labelling samples using primary antibodies that were unsuccessful using traditional methods.

Available

in two optimized formats for labelling of 3D and 2D samples – Cello IF is proven to boost the signal of your targets of interest thereby producing the highest quality images and clearer research insights.

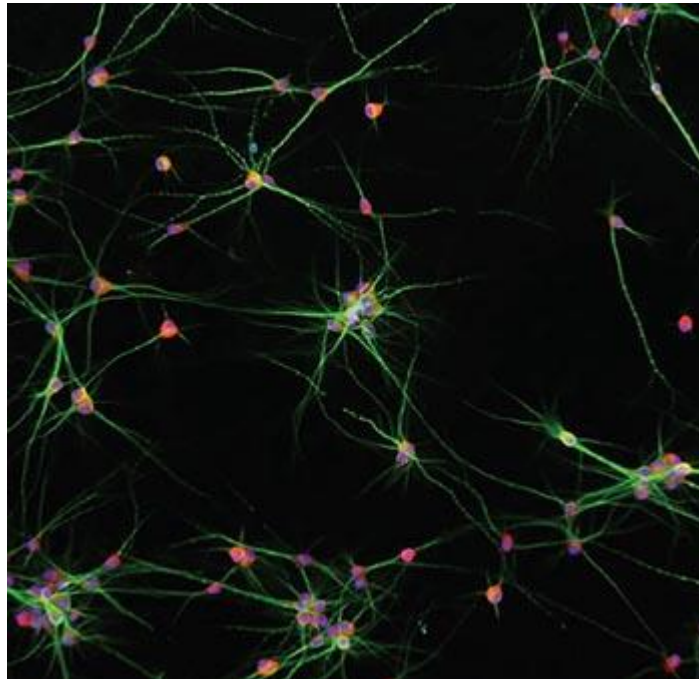


Image captions: B: induced Pluripotent Stem Cells Derived Neurons stained using Cello-IF technology. Courtesy of Didem Demirbas, PhD - Jenny Lai, MD-PhD Candidate, Boston Children's Hospital, Harvard Medical School

For further information

please visit <https://www.amsbio.com/3d-cell-culture-extracellular-matrices/celloif/> or contact AMSBIO on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / info@amsbio.com.

AMS Biotechnology (AMSBIO)

Founded in 1987, AMS Biotechnology (AMSBIO) is recognized today as a leading transatlantic company contributing to the acceleration of discovery through the provision of cutting-edge life science technology, products, and services for R&D in the medical, nutrition, cosmetics, and energy industries. AMSBIO has in-depth expertise in extracellular matrices to provide elegant solutions for studying cell motility, migration, invasion, and proliferation. This expertise in cell culture and the ECM allows AMSBIO to partner with clients in tailoring cell systems to enhance organoid and spheroid screening outcomes using a variety of 3D culture systems, including organ-on-a-chip microfluidics. For drug discovery research, AMSBIO offers assays, recombinant proteins, and cell lines. Drawing upon a huge and comprehensive biorepository, AMSBIO is widely recognized as a leading provider of high-quality tissue specimens (including custom procurement) from both human and animal tissues. The company

provides unique clinical grade products for stem cells and cell therapy applications. This includes GMP cryopreservation technology, and high-quality solutions for viral delivery.

Worldwide HQ

AMS Biotechnology (AMSBIO)

184 Milton Park
Abingdon
Oxon OX14 4SE
UK

Tel: +44-1235-828200

Fax: +44-1235-820482

Email: info@amsbio.com

Web www.amsbio.com