

## Highly consistent collagen fibre scaffold for 3D cell culture

### CollaFibR™

Produced using a patented dry-spinning technology - **CollaFibR™** from **AMSBIO** is a **highly consistent collagen fibre matrix** that closely mimics the biomechanical and biochemical properties of natural collagen scaffolds, offering a highly accurate representation of in-vivo conditions.

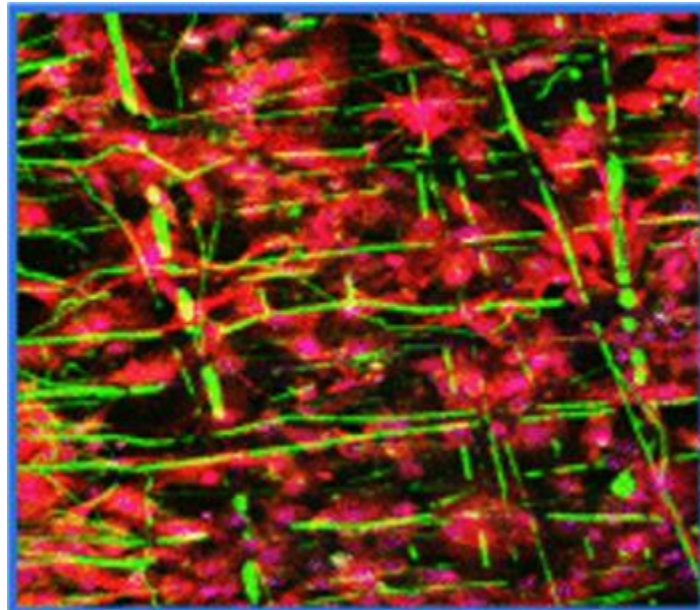


Image captions: Primary tenocytes (red tdtomato) grown in CollaFibR™ scaffold, stained with anti-collagen (green)

### **These innovative collagen fibres**

are seamlessly produced on a commercial scale using an automated state-of-the-art Good Manufacturing Process, catering to a variety of applications in 3D cell culture and tissue engineering.

### **Offered as a user friendly 12-well plate insert -**

CollaFibR™ scaffolds are perfect for creating physiologically relevant environments for 2D and 3D cell culture applications by inducing cellular alignment, migration, and elongation. AMSBIO can also offer custom CollaFibR™ scaffolds tailored to meet your specific needs, as our automated manufacturing process allows us to control the thicknesses, porosities, and alignment of our scaffolds with a high batch-to-batch consistency and higher cell viability. Available with a fluorescent tag, CollaFibR™ scaffolds are fully compatible with



brightfield, epifluorescence, confocal and live cell microscopy. Supplied UV sterilized and ready-to-use, CollaFibR™ scaffolds are degradable with collagenase enabling quick and easy cell extraction.

#### **CollaFiBR™**

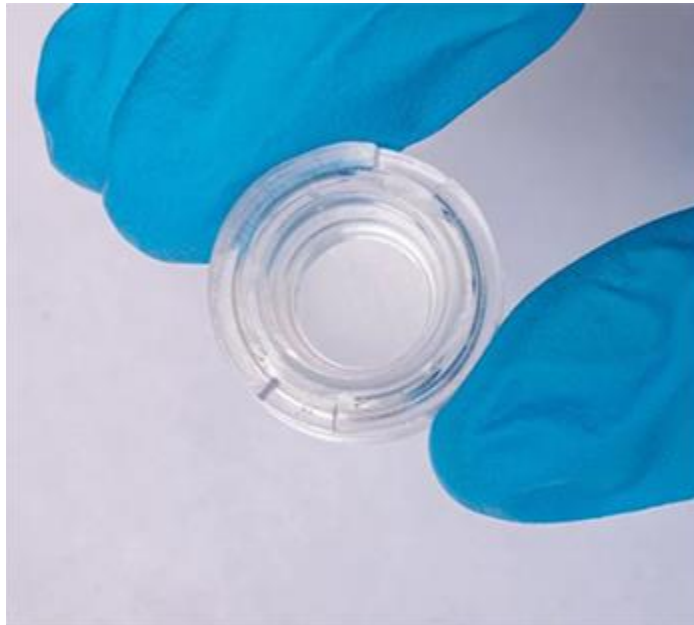
is also available as short dry spun 50 µm collagen fibres that can be used as an additive for bioinks and hydrogels. These GMP fibers increase the cellular viability, shape fidelity and biological relevance of bioprinted constructs.

#### **Setting a new benchmark**

for cell culture consistency, CollaFibR™ scaffolds are enabling exciting innovation in applications such as 3D tissue culture, myelination studies and contract tissue engineering.

#### **For further information**

please visit <https://www.amsbio.com/3d-cell-culture-extracellular-matrices/collafibr/collafibr-scaffold/> or contact the company on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / [info@amsbio.com](mailto:info@amsbio.com).



**Image captions:** CollaFibR™ scaffold in 12-well plate format

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### **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.

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### **Worldwide HQ**

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