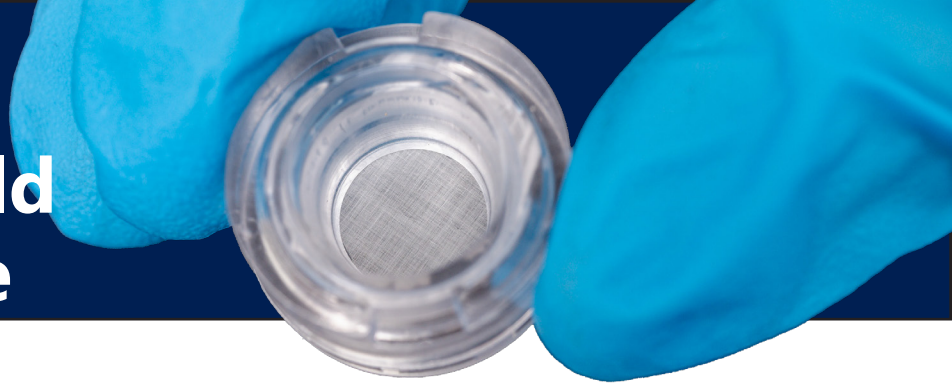
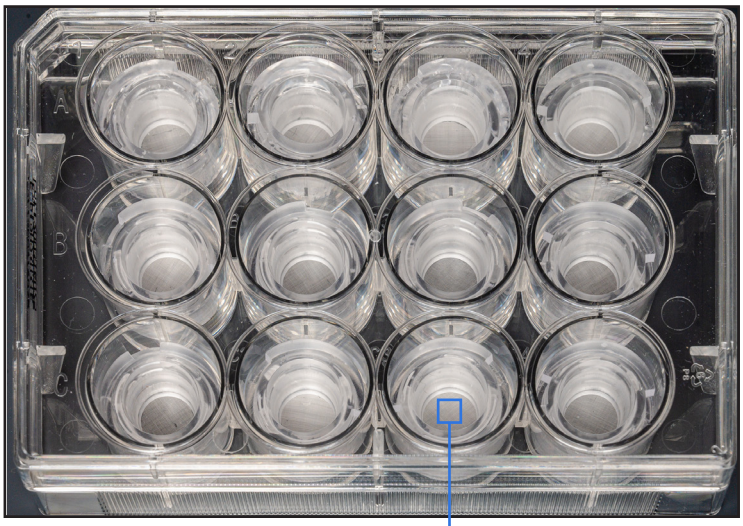
# CollaFibR™ Scaffold for 3D Cell Culture



## Highly consistent 3D collagen fiber scaffold

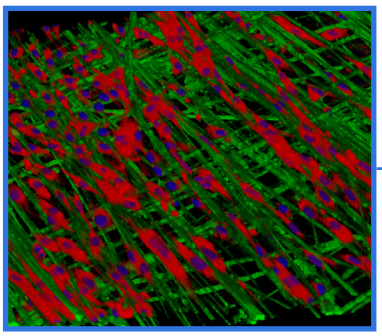
3D cell cultures better replicate *in-vivo* conditions for studying cell and tissue models.

3D BioFibR's patented dry-spinning technology produces the CollaFibR™ scaffold: a highly consistent collagen fiber matrix. These matrices closely resemble the biomechanical and biochemical properties of natural collagen scaffolds, allowing researchers to better understand cellular biology.

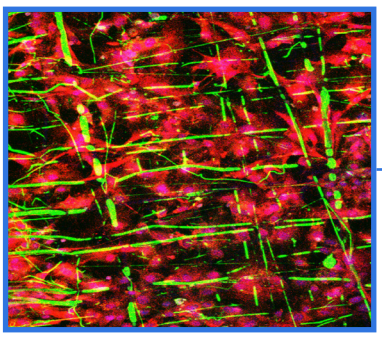


### CollaFibR™ Scaffolds:

- Produced using GMP type I collagen, and resemble natural collagen fiber structures
- Degradable with collagenase for minimally invasive cell extraction/recovery
- Designed to fit a 12-well plate
- Stable at room temperature
- Compatible with brightfield, epifluorescence, confocal and live cell microscopy
- UV sterilized and ready to use on receipt
- Available with fluorescent tag



CollaFibR™ scaffold (green) with MEF DR4 cells, stained with Hoechst and phalloidin.



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

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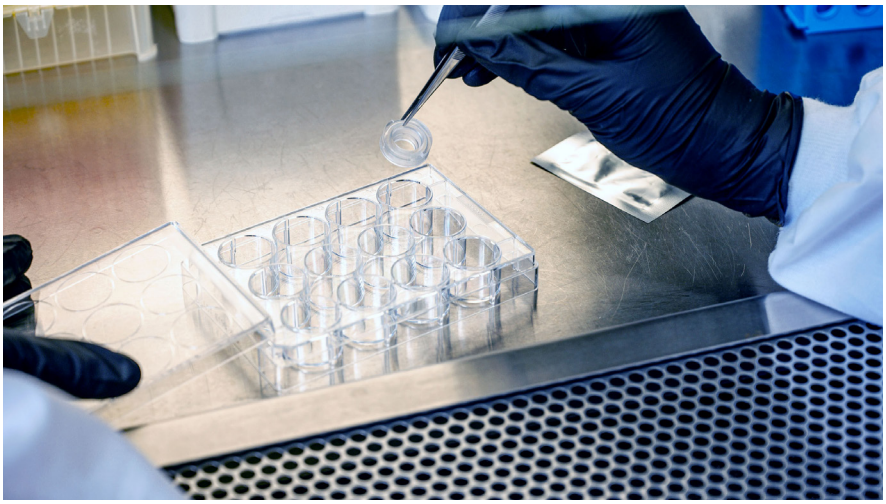
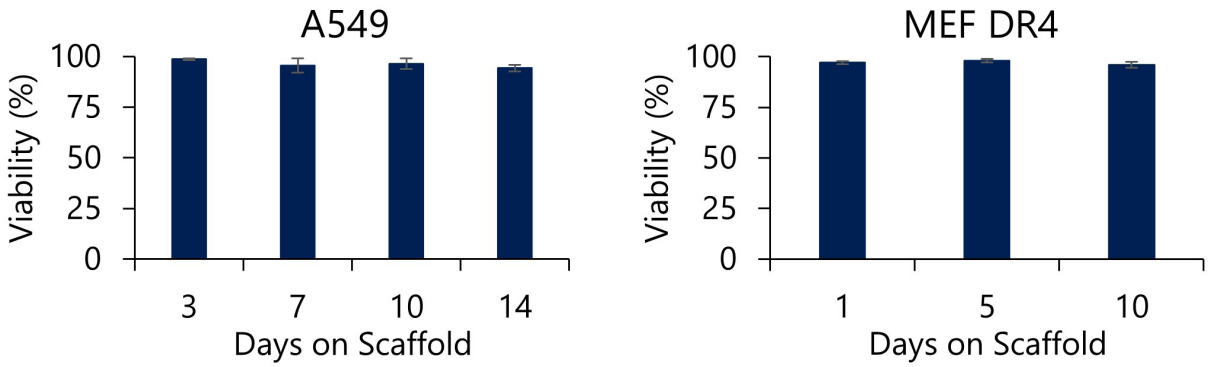


## Product Specifications

| | |
|---|---|
| **Collagen** | Bovine Type I |
| **Format** | 12 Well Plate |
| **Hydrated Thickness** | ~200 µm |
| **Surface Area** | 247 $mm^2$ |
| **Hydrated Ultimate Tensile Strength** | 23 ± 6 kPa |
| **Hydrated Young's Modulus** | 50 ± 16 kPa |
| **Storage** | Room Temperature |
| **Degrading Enzyme** | Collagenase I/IV |

## Cell Viability in Scaffolds




*Error bars show standard error of the mean*