

Intero Biosystems is a startup spinout from Dr. Jason Spence's lab at the University of Michigan, has developed a complex, pluripotent stem cell-derived human intestinal organoid. GastroScreen model the healthy intestine—including smooth muscle, vasculature, neurons, and epithelium, and can be leveraged to model diseases including intestinal fibrosis.

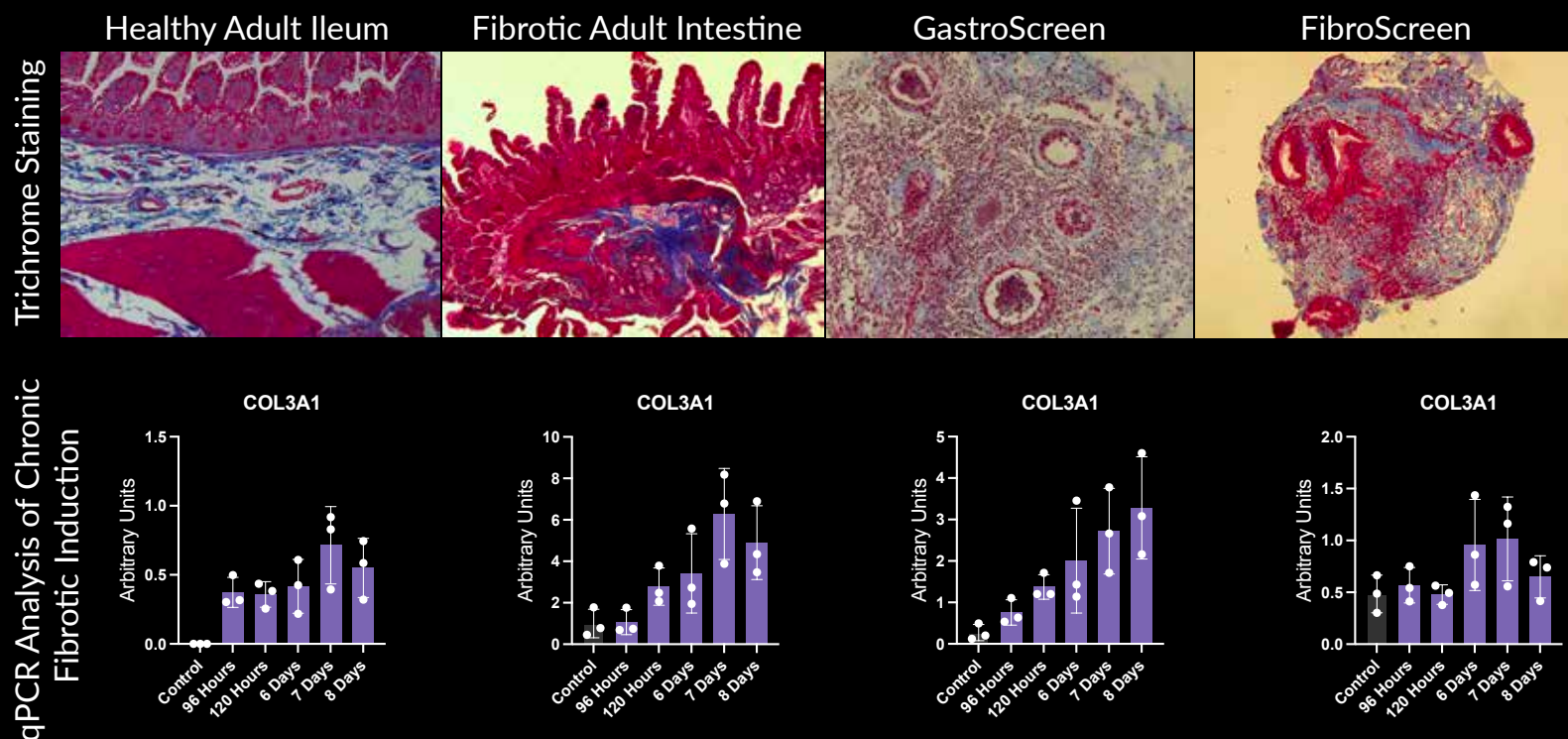
Spence et al., Nature 2011 + Childs et al., Cell Stem Cell 2025

GastroScreen: Intestinal Toxicity Platform



	Human Intestine	Gastro Screen	2D Monolayers	3D Patient Derived Organoids	Organ On A Chip
Epithelial Barrier Function	✓	✓	✓	✓	✓
Epithelial Absorption Function	✓	✓	✓	✓	✓
Epithelial Mucus Function	✓	✓	—	—	—
Peristalsis	✓	✓	—	—	"Stretch" not squeeze
Neuronal and Muscular Stimulus Response	✓	✓	—	—	—
Complex Disease Modeling (Fibrosis)	✓	✓	—	—	—

FibroScreen: Efficacy Testing for Intestinal Fibrosis



We are actively looking for pilot customers and partnerships