

# FLEXCELL®

INTERNATIONAL CORPORATION

## OCTOBER 2016 NEWSLETTER

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## Drug Discovery

- Improved models of normal and diseased states provide researchers with better tools to study the effects of new therapies and drugs that can be translated to the clinical setting<sup>1-2</sup>. Thus, cell and tissue models that mimic the *in vivo* environment are essential for determining targets for therapy, improving drug screening methods, and tissue engineering<sup>1-4</sup>.
- Through the application of **mechanical load** and/or **3D cell culture**<sup>5-6</sup>, Flexcell® products allow users to culture cells in an environment that better mimics the *in vivo* environment and thus study targets for drug therapy and add to the knowledge base of cellular responses in healthy and diseased states.

### FLEXCELL® PRODUCTS FOR DRUG DEVELOPMENT

- **3D Cell Culture:** Tissue Train® System, Collagel®, & Thermacol®
- **Mechanical Load:** FX-5000™ Tension & Compression Systems, HiQ Flowmate® Dual Syringe Pump, & Streamer® Fluid Shear Device
- **High Throughput:** 24-well HT BioFlex® Culture Plates that allow users to stretch up to 96 samples at one time

<sup>1</sup>Krishnan R et al. *Trends Pharmacol Sci* 37(2):87-100, 2016. <sup>2</sup>van Meer BJ et al. *Stem Cells* 34(8):2008-15, 2016. <sup>3</sup>Stoppel WL et al. *Adv Drug Deliv Rev* 96:135-55, 2016. <sup>4</sup>Anderson JE, Wozniak AC. *Can J Physiol Pharmacol* 82(5):300-10, 2004. <sup>5</sup>Colombo A et al. *Biomech Model Mechanobiol* 12(4):671-83, 2013. <sup>6</sup>Aljamal-Naylor R et al. *Adv Pharmacol Sci* 2012:768720, 2012.

### Current Sale!

5% OFF All Microscopy Devices

### Upcoming Tradeshows

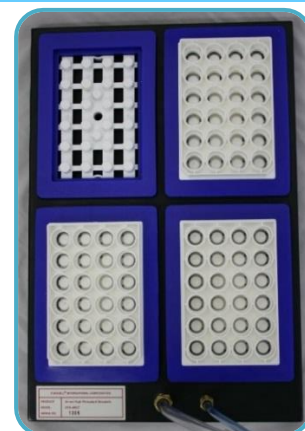
**Cell Biology 2016**  
December 3-7, 2016  
San Francisco, CA

**ORS 2017**  
March 19-22, 2017  
San Diego, CA

**Experimental Biology 2017**  
April 22-26, 2017  
Chicago, IL

See website each month for more details

[www.flexcellint.com](http://www.flexcellint.com)



24-well HT BioFlex® baseplate with culture plates and loading stations.



## Meet Bio Excellence...

**Our distributor in China, Hong Kong, & Malaysia.** Bio Excellence International Tech Co., Ltd has been distributing scientific equipment in China for more than ten years. For more information on Bio Excellence, please visit their website at <http://www.bio-goods.com/>.