

# WHEATON

## For Immediate Release

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**WHEATON<sup>®</sup> Offers a Turnkey Solution for CHO Cell Bioproduction**  
*WHEATON<sup>®</sup> CELLine<sup>™</sup> Bioreactor combined with an optimized CHO medium formulation by Irvine Scientific expedites small-scale antibody and protein production*

August 6, 2013, Millville, NJ – WHEATON<sup>®</sup> and Irvine Scientific have collaborated to introduce a high yield, small-scale solution for bioproduction. The solution consists of a WHEATON<sup>®</sup> CELLine<sup>™</sup> bioreactor flask paired with Irvine Scientific's BalanCD<sup>™</sup> CHO Growth A animal component-free, chemically-defined medium. Scientists may now quickly set up and perform small-scale antibody and protein production while decreasing the cost per milligram produced. This bundled product is available now from WHEATON<sup>®</sup> and its extensive distributor network.

Antibodies and proteins for research and therapeutic purposes are typically produced in a modified cloned cell. The most widely used cells for *in vitro* production methods are Chinese Hamster Ovary (CHO) cells due to their stable gene expression, rapid growth, high protein production rate, and rich background of published data. The combination of a high-throughput bioreactor, an optimized medium formulation, and an easy to follow protocol for cultivating CHO cells, provides a highly productive development platform.

WHEATON<sup>®</sup> CELLine<sup>™</sup> Bioreactors provide an ideal growth environment for high-density cell cultures. Cells are separated from the bulk growth medium by a dialysis membrane that regulates the flow of nutrients and waste products to and from the cell chamber. The lower side of the cell chamber is made of a gas permeable membrane allowing continuous exchange of oxygen and carbon dioxide promoting high-density cultures. CELLine<sup>™</sup> bioreactor increases overall yields, and reduces use of consumables and production costs.

Irvine Scientific, a large-scale producer of advanced cell culture media, developed BalanCD<sup>™</sup> CHO Growth A medium for optimum CHO cell growth and production. This particular formulation, in combination with the CELLine<sup>™</sup> bioreactor yields antibody levels higher than conventional methods without the use of a mechanical shaker or agitation.

For information about the WHEATON<sup>®</sup> CELLine<sup>™</sup> Bioreactor with Irvine Scientific's BalanCD<sup>™</sup> CHO Growth A medium, you can visit [www.WHEATON.com](http://www.WHEATON.com), email [CELLine@WHEATON.com](mailto:CELLine@WHEATON.com) or to speak with a specialist, call 800.225.1437 in the USA, or 856.825.1100 for international callers.

### **About WHEATON®**

WHEATON admires those people who devote their life to science. It's this admiration that drives us to design and deliver today's most innovative solutions for the laboratory research, diagnostic packaging and specialty pharmaceuticals industries. It's this admiration that motivates us to offer the best customer service experience and most dependable products in the industry. And, it's with admiration that we stand behind those people who help move the world forward one discovery, one sample at a time. The WHEATON name means more than a legacy of the highest quality products and services; it stands for a commitment to honor the effort of all scientists... because it's their life's work.

### **About Irvine Scientific Sales Company, Inc.**

[Irvine Scientific Sales Company, Inc.](#), a member of [JX group](#), is a worldwide leader in the design, manufacture and distribution of medical devices, including [Industrial Cell Culture](#), [Cell Therapy](#), [Cytogenetic](#), and [Assisted Reproductive Technology \(ART\)](#) products. Irvine Scientific is a worldwide media provider that is regulated and adheres to both ISO and FDA regulations with dual manufacturing facilities in California, USA and Tokyo, Japan. Irvine Scientific is a large scale producer of advanced quality cell culture media for the industrial bioprocess, medical, and diagnostic markets. The company's extensive experience in the design of culture media, compliance with ISO and FDA regulations for class II / III medical devices, industrial scale manufacturing capacity, provides its customers with unique capabilities and support.