

Press release  
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## **Irvine Scientific Launches New Feed Media to Maximize Productivity in Large-Scale Bioproduction**

**SANTA ANA, California – February 24, 2016:** Irvine Scientific, a leading specialist in cell culture media development, announced the launch of BalanCD<sup>®</sup> CHO Feed 4, a chemically-defined, animal component-free powder feed for large-scale bioproduction in a variety of high performing CHO cells. When paired with BalanCD CHO Growth A in fed-batch culture systems, up to 20 million viable cells/mL, and antibody titer up to 6g/ L can be achieved.

Recent developments in cell line engineering have resulted in cell lines capable of reaching higher cell densities and productivity rates. To achieve their full production potential these cell lines need nutrient-rich media; however these feeds can be difficult to dissolve and require complicated time-consuming preparation protocols. BalanCD CHO Feed 4 is designed and formulated to prepare easily using a simplified hydration procedure that does not require pH adjustments. BalanCD CHO Feed 4 maintains pH stability in culture and is designed to support growth while minimizing the production of metabolites that adversely affect titer levels; this results in process consistency, significantly higher protein production and protein quality.

“Surveys of large-scale culture media end-users identify time and effort required for mixing powdered media as a top concern. By applying our expertise at media development and formulation we are able to deliver a product that provides performance, flexibility and ease-of-use that facilitates a more robust process.” said Dr. Jessie H.-T. Ni, Chief Scientific Officer of Irvine Scientific. “This new Feed is a significant addition to our BalanCD CHO platform that is designed to streamline the development and scale-up process to help our customers get to market faster.”

For more information please visit [www.irvinesci.com](http://www.irvinesci.com)

**ENDS**

## Notes to Editors



Photo: For a high resolution photo please contact [lorna.cuddon@zymecommunications.com](mailto:lorna.cuddon@zymecommunications.com)

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### About Irvine Scientific <http://www.irvinesci.com/>

Irvine Scientific, a member of JX Group, is a worldwide leader in the innovation and manufacture of cell culture media, reagents, and medical devices for researchers and clinicians. The company provides unrivalled service and quality to scientists working in cell therapy and regenerative medicine, assisted reproductive technology and cytogenetics, and industrial cell culture for the large-scale production of biotherapeutics and vaccines. Irvine Scientific adheres to both ISO and FDA regulations and operates dual cGMP manufacturing facilities in California, USA and Tokyo, Japan. The company's consultative philosophy combined with expertise in cell culture and compliance provides customers with unique capabilities and support. For over 40 years, Irvine Scientific has remained uniquely flexible and focused on media while becoming a strategic global leader in media products and services.