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Thermo Fisher Scientific Announces Dual-Sparge Technology

New Disposable Sparge Technology is now available for the Thermo Scientific HyClone Single-Use Bioreactor System

LOGAN, Utah (Oct. 8, 2009) – Thermo Fisher Scientific, the world leader in serving science, today announces the availability of dual-sparge technology for Thermo Scientific HyClone Single-Use Bioreactor (S.U.B.) system. The new products are now the default choices for all current working volumes of S.U.B.s from 50–1000 L.

A new generation of optimized BioProcess Containers (BPCs) for the S.U.B. is now available based on dual-sparge technology. This advancement accommodates a greater range of operating conditions with an extended selection of k_La values, improved pH control and lower foaming than the single-disk sparger system. In addition the new BPC has improved line set configurations to enhance control and productivity for the S.U.B. system.

The S.U.B. BPC system has become the leading single-use alternative to conventional stirred-tank bioreactors for animal and insect cell culture with more than 200 systems placed and numerous customer referrals presented annually at bioprocessing conferences.

For more information about these products and others, contact your Thermo Scientific HyClone sales representative or visit us at www.thermo.com/hyclone.

Thermo Scientific is part of Thermo Fisher Scientific, the world leader in serving science.

About Thermo Fisher Scientific

Thermo Fisher Scientific Inc. (NYSE: TMO) is the world leader in serving science, enabling our customers to make the world healthier, cleaner and safer. With 2008 revenues of \$10.5 billion, we have approximately 34,000 employees and serve over 350,000 customers within pharmaceutical and biotech companies, hospitals and clinical diagnostic labs, universities, research institutions and government agencies, as well as environmental and industrial process control settings. Serving customers through two premier brands, Thermo Scientific and Fisher Scientific, we help solve analytical challenges from routine testing to complex research and discovery. The Thermo Scientific brand represents a complete range of high-end analytical instruments as well as laboratory equipment, software, services, consumables and reagents to enable integrated laboratory workflow solutions. Fisher Scientific provides a complete portfolio of laboratory equipment, chemicals, supplies and services used in healthcare, scientific research, safety and education. Together, we offer the most convenient purchasing options to customers and continuously advance our technologies to accelerate the pace of scientific discovery, enhance



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