FOR IMMEDIATE RELEASE

CYNTELLECT LAUNCHES NEW APPLICATION TO ADDRESS CURRENT LIMITATIONS IN STEM CELL RESEARCH

Novel Application Offers In Situ Purification of Intact Human Stem Cell Colonies

SAN DIEGO—June 9, 2010—Cyntellect, Inc., a privately-held life sciences company commercializing products to advance the study of cell biology, stem cell research, biopharmaceutical production, and drug discovery, announced today the commercial availability of its Stem Cell Colony Purification Application powered by the LEAP™ Cell Processing Workstation. An important addition to Cyntellect's Stem Cell Manager suite of software already consisting of automated passaging and uniform embryoid body generation tools, this latest application has been developed to address current limitations in stem cell colony purification, and is a major advancement over existing methods.

The Stem Cell Colony Purification Application meets a significant need for purifying cells which grow in complex colonies by directly processing the cells *in situ*, eliminating the need for disaggregating the cells as required by other techniques. Most conventional approaches (e.g., flow cytometry, magnetic beads, etc.) require that the desired cells be physically dislodged and disaggregated, often leading to irreversible changes in cell function and/or decreased cell survival, particularly with sensitive cells like human stem cell lines.

"The Stem Cell Colony Purification Application marks a considerable step forward in stem cell research tools," said Dr. Fred Koller," Cyntellect's Chief Technology Officer. "Human embryonic and induced pluripotent stem cells, and their differentiated progeny, represent high value cell types that investigators need to purify for use in various studies. The ability of LEAP to directly work with these intact cell colonies provides significant advantages to stem cell researchers."

The application features purification of specific colonies from a complex starting cell population, purification of stem cell colonies without removal from cultures or other perturbations, an iterative process that allows downstream elimination of cells that spontaneously differentiate or lose engineered expression, and easy tracking of desired colonies from initial purification to final outgrowth.

LEAP operates through laser-mediated *in situ* elimination of undesired cells without physically disturbing the cells that are preserved. LEAP has been used for high-throughput laser-mediated cell elimination for general cell purification, as well as purification of cells based on direct measurement of antibody secretion by individual cells. Further, LEAP purification can be efficiently performed on small samples with very low cell numbers, providing unmatched purity and yield of cells.

About Cyntellect
Cyntellect is dedicated to setting new standards in cell analysis, purification, and processing technology. Cyntellect's products support key applications to advance life science research,

biopharmaceutical production, stem cell research and drug discovery. The Company's technology employs *in situ*, microplate-based cytometry to analyze cells with minimal sample manipulation, and process cells with great precision and efficiency. Cyntellect's expanding cellular analysis and processing portfolio is expected to play an enabling role in the coming age of advanced cell-based diagnostics and therapeutics. For additional information please visit www.cyntellect.com.

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