



## **New BACS on Beads™ Technology for Rapid Detection of Chromosomal Abnormalities Demonstrated**

Waltham, Mass – May 4, 2009 -PerkinElmer, Inc., a global leader focused on improving the health and safety of people and the environment, today announced the Company's new BACS on Beads™ technology for the rapid and cost effective detection of chromosomal abnormalities. This is the first demonstration that the BACS on Beads™ technology can be applied to detect structural and numeric abnormalities rapidly and simultaneously in a single analysis.

Dr. Susan J. Gross, professor of obstetrics and gynecology at Albert Einstein College of Medicine and Chairperson at New York's Jacobi Medical Center, presented data on results of an application developed in her facility of BACS on Beads™ for analysis of amniotic fluid today at the annual conference of the American College of Obstetrics and Gynecology taking place in Chicago, Illinois. This application of BACS on Beads™ technology is currently undergoing clinical validation in Dr. Gross' laboratory.

"BACS on Beads™ is an ideal technology for laboratories to develop assays which have the potential to detect, during pregnancy, additional cases of severe disability and mental retardation, beyond current technologies that focus on Down Syndrome," said Dr. Gross. "The technology represents a tremendous opportunity to increase access to cost-effective molecular karyotyping."

In BACS on Beads™, a DNA probe targeted to the genomic location of interest is bound to a polystyrene bead. Complementary DNA in the sample hybridizes to the probe DNA on the bead and can then be measured to detect specific chromosomal abnormalities.

"BACS on Beads™ reflects our commitment to deliver new technologies that improve health and well-being. We are very excited about this first application of the BACS on Beads™ molecular karyotyping technology," said Ann-Christine Sundell, president, Genetic Screening, PerkinElmer. "We look forward to seeing the culmination of Dr. Gross' efforts to apply the BACS on Beads™ technology to routine clinical use."

PerkinElmer plans to introduce BACS on Beads™ test kits for research applications globally later this year.

For more information, please visit the PerkinElmer website at [www.perkinelmer.com](http://www.perkinelmer.com)

About PerkinElmer, Inc.

PerkinElmer, Inc. is a global leader focused on improving the health and safety of people and the environment. The Company reported revenue of approximately \$2 billion in 2008, has around 8,500 employees serving customers in more than 150 countries, and is a component of the S&P 500 Index™.

Media Contacts:

PerkinElmer:

Henri Storm

+358-40-53 666 84

[Henri.Storm@PerkinElmer.com](mailto:Henri.Storm@PerkinElmer.com)

or

Porter Novelli:

Amy Speak

617-897-8262

[Amy.Speak@porternovelli.com](mailto:Amy.Speak@porternovelli.com)