Cytokinetics Announces Presentation of Phase I Clinical Trial Data for CK-1827452 During Recent and Late Breaking Trials Session

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South San Francisco, CA, September 13, 2006 - Cytokinetics, Incorporated (Nasdaq: CYTK) announced positive data today from a first-in-humans Phase I clinical trial evaluating CK-1827452, a novel cardiac myosin activator, administered intravenously. Data from this double-blind, randomized, placebo-controlled, dose-escalation Phase I clinical trial of CK 1827452 were presented at a session entitled "Recent and Late Breaking Trials" at the 10th Annual Meeting of the Heart Failure Society of America in Seattle, Washington. The presentation was made by John R. Teerlink, M.D., F.A.C.C., F.A.H.A., F.E.S.C, Associate Professor of Medicine at the University of California, San Francisco, and Director of the Heart Failure Clinic, Veterans Affairs Medical Center, San Francisco. Dr. Teerlink was a Co-Principal Investigator and responsible for echocardiographic analysis for the Phase I clinical trial. This clinical trial was conducted to investigate the safety, tolerability, pharmacokinetics and pharmacodynamic profile of a six-hour infusion of CK-1827452 in healthy volunteers.

In this Phase I clinical trial, the maximum tolerated dose (MTD) was determined to be 0.5 mg/kg/hr for the six-hour infusion in healthy volunteers. At this dose, the six-hour infusion of CK-1827452 produced a mean increase in left ventricular ejection fraction of 6.8 absolute percentage points as compared to placebo (p